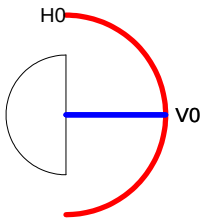
Luminaire
Code 232233.110
Name CONTINENTAL CTS HQI-TS 1000W
Measurem.
Code CL2303/08-17A
Name CONTINENTAL CTS HQI-TS 1000W

Luminaire Flux	75502.56 lm	Luminaire Power	1000.00 W	Efficacy	75.50 lm/W	Efficiency	83.89%
Lamps Flux	90000.00 lm	Maximum value	3208.90 cd/klm	Position	H=0.00 V=-1.00	VH	VH symm in H0

Rectangular Luminaire	Length 550 mm	Width 630 mm	Height 290 mm
Rectangular Luminous Area	Length 490 mm	Width 500 mm	Height 0 mm
Horizontal Luminous Area	0.245000 m2	Emitting area on Plane 180°	0.000000 m2
Emitting area on Plane 0°	0.000000 m2	Emitting area on Plane 270°	0.000000 m2
Emitting area on Plane 90°	0.000000 m2	Glare area at 76°	0.059271 m2
Coordinate system	VH	Symmetry Type	VH symm in H0
Date	08-04-2008	Beam Type	Diffuse
Measurement Distance	0.00	Measurement Flux	90000.00 lm
Operator	C Luce Srl	Source Voltage [V]	
Temperature		Source current [A]	
Humidity		Photocell	
Notes	1 * HQITS1000DS = 90000 lm		

Luminaire Lamps

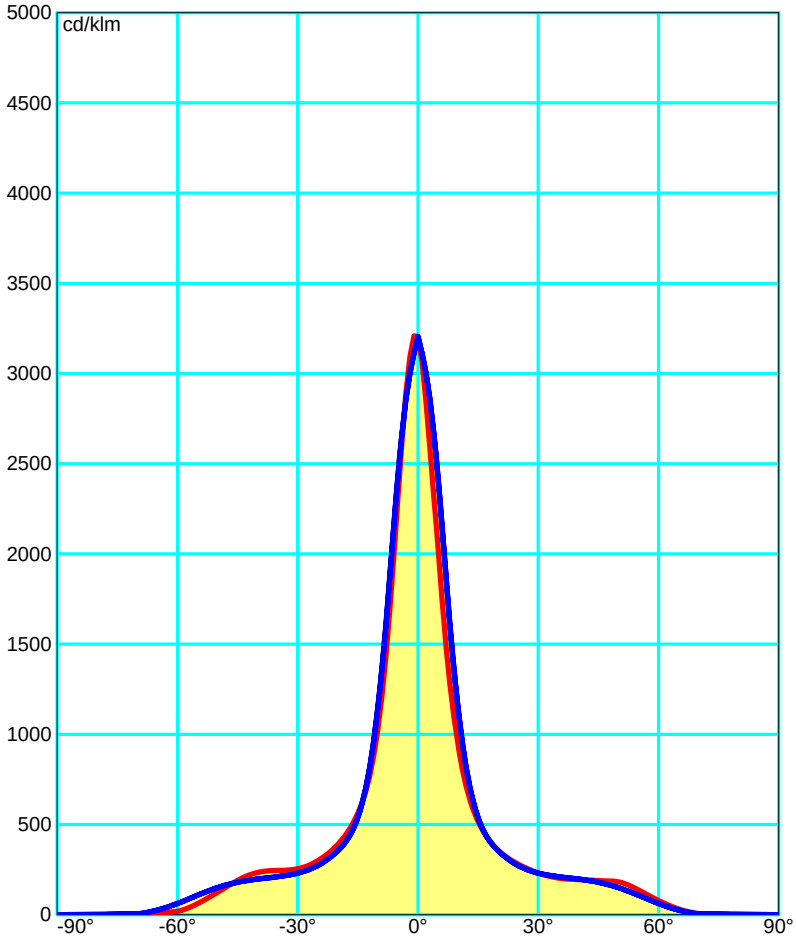
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
OSRAM ILCOS MD,MT,ME,MC	HQITS1000DS	POWERSTAR HQI - TS ARCO CORTO	90000.00	1000.00	1



Piani VH

H0.0

V0.0



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Lamps Flux	90000.00 lm	Maximum value	3208.90 cd/klm	Position	H=0.00 V=-1.00	VH	VH symm in H0

Luminous Intensity Table cd/klm **Table 1/7**

	H 0.00	H 1.00	H 2.00	H 3.00	H 4.00	H 5.00	H 6.00	H 7.00	H 8.00	H 9.00	H 10.00	H 11.00	H 12.00
V-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V-80.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.52	0.52	0.52	0.52	0.52	0.51
V-70.0	3.06	3.07	3.08	3.10	3.12	3.16	3.20	3.23	3.26	3.28	3.29	3.29	3.27
V-60.0	17.63	18.48	19.20	19.73	20.00	19.94	19.61	19.14	18.68	18.34	18.19	18.13	18.08
V-50.0	124.29	124.31	124.18	123.94	123.65	123.29	122.82	122.17	121.27	120.12	118.76	117.27	115.71
V-40.0	234.51	234.24	233.83	233.30	232.64	231.88	231.02	230.10	229.10	228.02	226.78	225.11	223.32
V-30.0	254.65	254.36	253.94	253.38	252.62	251.53	250.01	248.10	245.87	243.67	241.31	238.68	235.93
V-25.0	298.97	298.43	297.43	295.97	294.00	291.48	288.45	284.94	281.22	277.21	272.79	268.16	263.47
V-20.0	389.87	388.30	385.76	382.35	377.99	372.47	365.69	357.80	349.02	339.18	328.90	318.24	307.42
V-15.0	562.23	558.55	554.56	549.27	541.22	529.84	513.83	495.37	471.98	447.78	421.79	398.09	372.83
V-10.0	1029.00	1029.79	1032.05	1023.15	998.79	964.37	910.94	844.83	778.65	711.26	638.97	572.26	508.47
V -9.0	1209.40	1209.33	1209.99	1195.45	1157.74	1120.29	1049.34	974.04	886.83	801.78	712.25	627.60	546.72
V -8.0	1429.90	1426.21	1424.73	1399.99	1347.60	1297.37	1208.28	1123.33	1020.08	901.29	792.42	692.42	597.61
V -7.0	1693.20	1683.11	1673.63	1636.06	1570.36	1501.98	1399.68	1287.94	1162.80	1023.66	886.41	764.08	653.44
V -6.0	1991.10	1970.20	1947.82	1895.45	1815.25	1723.64	1600.03	1462.83	1310.33	1148.72	993.09	852.26	726.31
V -5.0	2305.00	2267.65	2227.36	2157.73	2056.16	1946.50	1791.49	1629.50	1453.80	1267.13	1083.62	930.16	787.49
V -4.0	2613.60	2553.26	2490.95	2401.03	2274.36	2131.64	1959.84	1771.87	1572.28	1364.05	1166.31	995.94	842.15
V -3.0	2887.50	2801.96	2717.02	2603.93	2455.87	2290.81	2090.15	1876.77	1655.21	1431.11	1221.46	1036.37	874.50
V -2.0	3095.20	2986.36	2888.76	2749.67	2580.21	2386.83	2166.10	1928.51	1688.40	1451.80	1228.22	1044.13	881.99
V -1.0	3208.90	3091.16	2978.66	2832.03	2643.91	2438.45	2185.89	1924.69	1672.76	1430.88	1194.67	1025.29	863.63
V 0.0	3204.00	3113.10	3002.60	2853.40	2658.60	2423.30	2155.80	1875.80	1605.20	1358.80	1143.50	964.48	819.07
V 1.0	3068.80	2972.96	2870.87	2727.43	2532.60	2319.94	2061.96	1796.93	1548.78	1319.89	1097.60	945.05	800.50
V 2.0	2843.20	2770.74	2696.04	2558.91	2377.71	2170.61	1938.86	1695.96	1463.37	1249.08	1052.74	899.55	769.70
V 3.0	2578.70	2530.63	2475.76	2364.65	2196.55	2013.12	1797.61	1576.18	1366.37	1172.29	1000.52	857.61	739.52
V 4.0	2304.60	2273.37	2237.46	2146.62	2000.12	1834.71	1643.34	1440.27	1253.41	1083.02	929.18	810.15	707.61
V 5.0	2027.40	2008.42	1984.92	1913.44	1790.24	1655.25	1479.78	1303.44	1138.58	988.06	848.51	749.36	662.20
V 6.0	1754.60	1742.57	1728.20	1671.03	1571.29	1458.31	1310.29	1152.93	1005.57	881.23	769.35	678.53	603.76
V 7.0	1499.40	1490.28	1481.19	1436.59	1354.61	1267.42	1140.82	1004.44	886.68	775.95	676.10	598.95	534.64
V 8.0	1276.70	1268.26	1261.76	1227.46	1160.74	1093.82	983.18	878.22	776.04	681.35	602.43	540.40	485.70
V 9.0	1091.50	1083.61	1075.79	1049.77	997.25	945.21	857.50	767.08	680.13	612.77	547.38	494.90	448.77
V 10.0	939.17	931.12	923.86	902.35	862.99	814.49	749.41	673.33	609.08	553.30	499.30	459.05	423.16
V 15.0	518.41	513.17	507.47	498.64	484.94	468.44	448.49	427.35	403.95	380.93	358.56	340.86	323.89
V 20.0	357.47	356.08	353.72	350.41	346.07	340.36	333.02	324.27	314.39	303.61	292.70	281.95	271.62
V 25.0	280.40	279.39	278.02	276.32	274.12	271.24	267.64	263.34	258.60	253.47	247.89	242.19	236.55
V 30.0	231.14	231.10	230.78	230.57	230.31	229.76	228.70	227.14	225.11	222.77	220.05	216.95	213.59
V 40.0	194.94	194.93	194.90	194.86	194.77	194.61	194.40	194.16	193.90	193.61	193.23	192.80	192.32
V 50.0	183.60	183.20	182.64	181.86	180.81	179.45	177.85	176.07	174.16	172.15	170.02	167.72	165.15
V 60.0	78.50	78.38	78.13	77.72	77.11	76.29	75.23	73.91	72.29	70.36	68.11	65.59	62.82
V 70.0	5.86	5.91	5.94	5.96	5.98	6.00	6.02	6.03	6.04	6.04	6.02	5.98	5.92
V 80.0	2.61	2.61	2.61	2.61	2.61	2.60	2.60	2.59	2.59	2.58	2.57	2.57	2.56
V 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Lamps Flux	90000.00 lm	Maximum value	3208.90 cd/klm	Position	H=0.00 V=-1.00	VH	VH symm in H0

Luminous Intensity Table cd/klm **Table 2/7**

	H 13.00	H 14.00	H 15.00	H 16.00	H 17.00	H 18.00	H 19.00	H 20.00	H 21.00	H 22.00	H 23.00	H 24.00	H 25.00
V-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V-80.0	0.51	0.51	0.51	0.51	0.51	0.51	0.50	0.50	0.49	0.48	0.47	0.46	0.45
V-70.0	3.24	3.19	3.12	3.02	2.91	2.81	2.79	2.78	2.75	2.71	2.65	2.57	2.49
V-60.0	17.94	17.64	17.29	16.79	16.11	15.24	14.21	13.30	12.32	11.31	10.53	9.81	9.17
V-50.0	114.13	112.46	110.66	108.71	106.66	104.59	102.51	100.51	98.70	97.02	95.39	93.75	92.05
V-40.0	221.41	219.39	216.78	214.00	211.06	207.57	203.75	199.77	195.11	190.27	185.17	179.76	174.25
V-30.0	233.29	230.49	227.83	225.29	222.78	220.54	218.23	216.36	214.52	212.87	211.15	209.44	207.66
V-25.0	258.61	253.98	249.17	244.37	239.38	234.43	229.36	224.23	218.93	213.80	209.05	204.63	200.66
V-20.0	296.29	284.86	273.61	262.60	251.54	241.36	231.84	222.95	215.15	208.22	202.18	197.13	192.99
V-15.0	348.53	324.08	301.07	282.22	265.70	251.62	239.82	230.15	221.66	214.19	207.76	202.37	197.57
V-10.0	450.89	402.89	361.38	331.60	306.96	287.14	271.76	258.61	247.62	237.60	228.91	221.79	215.60
V -9.0	482.01	428.75	384.26	349.70	321.24	298.02	281.83	267.72	255.92	245.40	236.33	228.54	221.83
V -8.0	518.01	458.85	408.05	370.29	338.42	313.34	294.52	278.80	265.51	254.04	244.21	235.85	228.37
V -7.0	566.14	497.89	438.69	392.71	356.54	328.62	308.08	290.33	275.97	263.42	252.74	243.80	235.49
V -6.0	621.27	536.38	461.58	414.23	373.40	343.35	321.58	302.77	287.56	274.15	262.48	252.45	243.42
V -5.0	670.45	576.19	493.85	438.24	393.61	360.13	336.01	316.44	299.88	285.36	272.39	261.02	250.96
V -4.0	714.25	611.31	527.43	462.84	413.43	376.86	350.94	330.05	311.93	295.91	281.51	268.72	257.31
V -3.0	739.58	633.02	545.66	480.42	430.15	391.30	364.27	341.32	322.17	304.71	288.98	275.11	262.31
V -2.0	746.15	642.73	550.49	490.77	440.31	400.64	373.70	348.91	329.35	311.00	294.41	279.90	266.34
V -1.0	732.75	634.66	545.74	489.68	441.12	403.65	376.55	352.81	332.85	314.39	297.71	282.96	269.63
V 0.0	702.87	611.25	539.41	482.90	438.75	404.38	377.19	354.57	334.32	316.00	299.54	284.92	272.10
V 1.0	687.08	607.42	535.05	485.75	442.91	408.06	380.42	355.66	335.51	316.99	300.54	286.40	273.63
V 2.0	665.93	593.73	528.79	483.49	442.93	408.36	380.97	355.20	335.42	317.01	300.78	287.12	274.26
V 3.0	644.69	574.24	516.77	470.86	432.86	400.80	374.99	351.90	332.81	315.46	300.00	286.59	274.01
V 4.0	622.76	554.42	498.25	453.11	416.59	387.52	364.68	345.03	327.55	311.82	297.46	284.48	272.50
V 5.0	588.61	526.17	470.53	431.22	398.49	372.62	352.60	335.35	319.87	305.68	292.51	280.47	269.36
V 6.0	541.58	489.27	441.73	410.02	381.56	359.15	341.03	324.70	310.54	297.46	285.51	274.74	264.66
V 7.0	486.70	450.74	418.08	390.43	366.69	346.48	329.23	313.49	300.07	287.95	277.20	267.81	258.86
V 8.0	442.60	414.44	390.22	369.31	349.54	331.51	315.54	301.32	289.04	278.21	268.71	260.37	252.58
V 9.0	414.83	389.03	367.19	348.41	331.19	315.04	300.99	288.45	277.86	268.33	260.00	252.64	245.83
V 10.0	392.12	368.15	346.84	329.55	314.25	300.61	288.24	277.00	267.49	258.82	251.24	244.80	238.73
V 15.0	308.68	294.45	281.32	270.25	260.33	251.41	243.37	236.43	230.01	224.05	218.74	214.12	209.94
V 20.0	261.68	252.17	243.48	235.74	228.48	222.22	216.57	211.35	206.74	202.54	198.69	195.30	192.40
V 25.0	230.88	225.54	220.23	215.19	210.28	205.65	201.21	197.09	193.22	189.72	186.60	183.80	181.40
V 30.0	210.14	206.58	203.10	199.73	196.39	193.29	190.18	187.54	184.80	182.29	180.09	178.52	177.40
V 40.0	191.87	191.46	191.06	190.66	190.28	189.93	189.53	189.24	188.49	187.90	187.18	185.31	182.76
V 50.0	162.18	159.03	155.72	152.30	148.72	144.91	141.15	137.51	133.90	130.29	126.85	123.56	120.22
V 60.0	59.86	56.73	53.57	50.31	46.89	43.33	39.65	35.94	32.53	29.31	26.29	23.49	21.02
V 70.0	5.84	5.74	5.61	5.47	5.33	5.22	5.18	5.15	5.12	5.09	5.04	4.99	4.91
V 80.0	2.55	2.54	2.52	2.49	2.46	2.43	2.42	2.40	2.39	2.37	2.35	2.32	2.29
V 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Lamps Flux	90000.00 lm	Maximum value	3208.90 cd/klm	Position	H=0.00 V=-1.00	VH	VH symm in H0

Luminous Intensity Table cd/klm **Table 3/7**

	H 26.00	H 27.00	H 28.00	H 29.00	H 30.00	H 31.00	H 32.00	H 33.00	H 34.00	H 35.00	H 36.00	H 37.00	H 38.00
V-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V-80.0	0.44	0.44	0.44	0.43	0.43	0.42	0.41	0.40	0.38	0.37	0.36	0.34	0.33
V-70.0	2.43	2.39	2.34	2.28	2.21	2.13	2.08	2.04	1.99	1.94	1.87	1.81	1.75
V-60.0	8.80	8.44	8.05	7.65	7.40	7.14	6.80	6.43	6.00	5.63	5.49	5.15	4.60
V-50.0	90.19	88.08	85.56	82.57	79.12	75.23	70.93	66.17	61.00	55.58	50.09	44.69	39.61
V-40.0	168.37	162.40	156.34	150.42	144.69	139.11	133.75	128.59	123.76	119.01	114.23	109.30	104.18
V-30.0	205.82	203.60	201.21	198.40	195.29	191.95	187.58	183.14	179.22	174.30	169.22	164.14	158.93
V-25.0	197.23	194.32	191.98	189.95	188.05	186.26	184.54	182.79	180.81	178.54	176.18	174.09	171.97
V-20.0	189.41	186.30	183.74	181.87	180.57	179.78	179.41	179.33	179.27	179.11	178.93	178.74	178.45
V-15.0	193.73	190.62	188.21	186.42	185.14	184.38	184.02	183.86	183.72	183.59	183.61	183.79	183.84
V-10.0	211.08	207.41	204.36	201.80	199.59	197.75	196.19	194.93	194.08	193.52	193.09	192.54	191.64
V -9.0	216.64	212.48	208.95	206.08	203.48	201.42	199.62	198.16	197.10	196.24	195.44	194.48	193.17
V -8.0	222.79	217.90	213.81	210.61	207.64	205.31	203.29	201.63	200.30	199.09	197.83	196.42	194.74
V -7.0	229.36	223.76	219.07	215.30	211.98	209.23	206.93	204.99	203.33	201.74	200.07	198.28	196.31
V -6.0	236.02	229.64	224.24	219.84	216.10	212.95	210.27	207.98	205.96	203.99	202.01	199.96	197.79
V -5.0	242.39	235.08	228.97	224.01	219.79	216.27	213.21	210.52	208.14	205.85	203.63	201.41	199.12
V -4.0	247.97	239.80	233.04	227.68	222.95	219.13	215.69	212.62	209.93	207.35	204.95	202.61	200.25
V -3.0	252.53	243.77	236.45	230.75	225.57	221.45	217.68	214.29	211.34	208.55	206.01	203.59	201.18
V -2.0	256.11	246.98	239.25	233.16	227.66	223.18	219.14	215.54	212.39	209.48	206.85	204.36	201.91
V -1.0	258.85	249.48	241.52	234.97	229.26	224.40	220.14	216.40	213.11	210.15	207.46	204.94	202.47
V 0.0	261.00	251.47	243.31	236.34	230.37	225.22	220.77	216.92	213.56	210.58	207.88	205.35	202.88
V 1.0	262.71	253.04	244.61	237.37	231.00	225.72	221.12	217.16	213.79	210.78	208.12	205.61	203.16
V 2.0	263.68	253.90	245.25	237.90	231.18	225.88	221.19	217.15	213.82	210.80	208.19	205.74	203.33
V 3.0	263.50	253.71	245.06	237.72	230.95	225.68	220.97	216.93	213.66	210.67	208.15	205.77	203.41
V 4.0	262.00	252.40	243.99	236.80	230.33	225.10	220.47	216.52	213.33	210.44	208.00	205.70	203.41
V 5.0	259.28	250.16	242.17	235.29	229.24	224.13	219.68	215.92	212.85	210.12	207.76	205.57	203.36
V 6.0	255.57	247.20	239.74	233.29	227.62	222.76	218.60	215.11	212.22	209.68	207.44	205.36	203.24
V 7.0	251.03	243.50	236.70	230.77	225.45	221.02	217.25	214.08	211.43	209.10	207.02	205.08	203.06
V 8.0	245.67	239.03	232.95	227.62	222.73	218.91	215.61	212.80	210.48	208.38	206.50	204.71	202.82
V 9.0	239.65	233.93	228.68	224.01	219.80	216.52	213.69	211.27	209.31	207.50	205.85	204.25	202.52
V 10.0	233.33	228.36	223.94	219.97	216.54	213.79	211.48	209.54	207.95	206.47	205.07	203.68	202.15
V 15.0	206.56	203.70	201.40	199.64	198.40	197.76	197.60	197.86	198.30	198.74	199.04	199.09	198.69
V 20.0	189.83	187.54	185.68	184.56	184.25	184.60	185.41	186.47	187.51	188.49	189.43	190.29	190.93
V 25.0	179.42	177.85	176.94	176.56	176.37	176.60	177.47	178.33	179.20	180.16	181.09	181.72	182.14
V 30.0	176.75	176.50	176.47	176.52	176.95	177.31	176.94	176.49	176.25	175.72	174.64	173.09	171.10
V 40.0	179.90	177.66	174.18	170.43	166.18	161.81	157.07	152.34	147.24	142.02	136.59	131.11	125.61
V 50.0	117.04	113.93	110.71	107.50	104.19	100.67	97.03	93.05	88.88	84.51	79.93	75.15	70.04
V 60.0	19.11	17.45	15.98	14.73	13.83	12.89	11.87	11.13	10.43	9.63	8.99	8.34	7.52
V 70.0	4.88	4.84	4.75	4.62	4.46	4.29	4.18	4.09	4.00	3.89	3.76	3.67	3.59
V 80.0	2.27	2.25	2.23	2.21	2.19	2.17	2.14	2.11	2.08	2.05	2.02	1.99	1.97
V 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire
Code 232233.110
Name CONTINENTAL CTS HQI-TS 1000W
Measurem.
Code CL2303/08-17A
Name CONTINENTAL CTS HQI-TS 1000W

Luminaire Flux	75502.56 lm	Luminaire Power	1000.00 W	Efficacy	75.50 lm/W	Efficiency	83.89%
Lamps Flux	90000.00 lm	Maximum value	3208.90 cd/klm	Position	H=0.00 V=-1.00	VH	VH symm in H0

Luminous Intensity Table cd/klm **Table 4/7**

	H 39.00	H 40.00	H 41.00	H 42.00	H 43.00	H 44.00	H 45.00	H 46.00	H 47.00	H 48.00	H 49.00	H 50.00	H 51.00
V-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V-80.0	0.32	0.32	0.31	0.29	0.28	0.26	0.25	0.24	0.24	0.23	0.23	0.22	0.23
V-70.0	1.68	1.60	1.52	1.46	1.40	1.33	1.27	1.22	1.17	1.12	1.07	1.04	0.99
V-60.0	4.31	4.33	4.24	3.94	3.52	3.22	3.21	3.31	3.39	3.36	3.20	2.98	2.74
V-50.0	34.69	30.26	25.92	22.28	18.82	16.10	13.46	11.60	9.72	8.45	7.18	6.29	5.41
V-40.0	98.91	93.56	88.09	82.48	76.67	70.64	64.61	58.64	52.84	47.21	41.93	37.00	32.27
V-30.0	153.68	147.75	141.87	136.18	130.35	124.45	118.41	112.09	105.34	98.09	90.45	82.56	74.59
V-25.0	169.45	166.17	161.92	156.90	150.95	144.57	138.04	130.66	122.89	114.71	106.24	97.56	88.71
V-20.0	177.69	176.06	172.97	168.82	163.84	158.08	151.88	145.07	137.72	129.61	120.52	111.44	102.17
V-15.0	183.44	182.27	179.98	176.77	172.71	167.79	162.52	156.19	149.34	141.98	134.16	125.83	117.12
V-10.0	190.32	188.56	186.02	182.96	179.24	174.97	170.39	164.86	159.02	152.56	145.49	137.96	129.83
V -9.0	191.60	189.69	187.09	184.03	180.37	176.21	171.69	166.35	160.60	154.28	147.36	139.92	131.90
V -8.0	192.91	190.84	188.21	185.13	181.52	177.44	172.95	167.77	162.09	155.90	149.09	141.75	133.81
V -7.0	194.25	192.02	189.33	186.22	182.66	178.61	174.16	169.09	163.50	157.41	150.68	143.43	135.56
V -6.0	195.56	193.18	190.42	187.28	183.74	179.72	175.31	170.29	164.80	158.79	152.12	144.96	137.13
V -5.0	196.77	194.29	191.43	188.27	184.73	180.73	176.36	171.37	165.97	160.02	153.41	146.33	138.54
V -4.0	197.84	195.27	192.33	189.16	185.62	181.63	177.30	172.34	167.00	161.11	154.55	147.52	139.77
V -3.0	198.72	196.09	193.12	189.93	186.39	182.42	178.11	173.19	167.89	162.04	155.54	148.53	140.82
V -2.0	199.42	196.75	193.79	190.59	187.04	183.10	178.78	173.92	168.64	162.81	156.36	149.35	141.67
V -1.0	199.96	197.28	194.35	191.14	187.59	183.66	179.34	174.53	169.24	163.42	157.01	149.99	142.33
V 0.0	200.37	197.70	194.80	191.59	188.05	184.12	179.79	174.99	169.70	163.87	157.46	150.43	142.77
V 1.0	200.67	198.04	195.15	191.95	188.42	184.47	180.14	175.31	170.01	164.16	157.72	150.68	143.00
V 2.0	200.88	198.30	195.40	192.22	188.69	184.72	180.38	175.49	170.17	164.29	157.79	150.73	143.02
V 3.0	201.01	198.49	195.58	192.42	188.89	184.88	180.52	175.56	170.21	164.27	157.71	150.62	142.85
V 4.0	201.08	198.59	195.69	192.53	188.99	184.95	180.55	175.53	170.11	164.12	157.47	150.33	142.50
V 5.0	201.08	198.62	195.75	192.58	189.01	184.94	180.48	175.40	169.90	163.83	157.10	149.90	142.00
V 6.0	201.03	198.59	195.75	192.57	188.96	184.84	180.32	175.19	169.57	163.42	156.62	149.32	141.34
V 7.0	200.92	198.52	195.70	192.50	188.84	184.67	180.09	174.88	169.15	162.90	156.02	148.60	140.53
V 8.0	200.76	198.42	195.59	192.39	188.66	184.43	179.80	174.47	168.63	162.28	155.31	147.75	139.58
V 9.0	200.56	198.27	195.45	192.24	188.44	184.14	179.46	173.96	168.04	161.56	154.46	146.78	138.47
V 10.0	200.30	198.08	195.29	192.08	188.21	183.80	179.08	173.38	167.37	160.73	153.48	145.67	137.20
V 15.0	197.70	196.00	193.40	190.03	185.84	180.84	175.46	168.95	161.86	154.22	146.18	137.52	128.35
V 20.0	191.15	190.52	188.38	184.87	180.10	174.39	167.92	160.80	153.01	144.49	135.37	125.80	115.93
V 25.0	182.05	181.15	178.87	175.14	170.12	164.09	157.21	149.41	140.85	131.83	122.45	112.83	103.07
V 30.0	168.52	165.41	161.62	157.10	151.90	146.22	140.03	133.27	125.87	117.76	109.05	99.93	90.61
V 40.0	120.06	114.47	108.77	103.05	97.37	91.70	86.07	80.36	74.49	68.46	62.30	56.19	50.15
V 50.0	64.69	59.16	53.50	47.86	42.05	36.31	30.41	25.19	20.26	16.51	13.31	11.15	9.36
V 60.0	7.30	7.30	6.51	5.71	5.28	4.95	5.22	5.18	4.92	4.78	4.54	4.38	4.26
V 70.0	3.51	3.42	3.33	3.25	3.15	3.02	2.90	2.82	2.74	2.68	2.62	2.57	2.52
V 80.0	1.94	1.91	1.88	1.84	1.81	1.77	1.73	1.69	1.65	1.62	1.58	1.55	1.52
V 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire
Code 232233.110
Name CONTINENTAL CTS HQI-TS 1000W
Measurem.
Code CL2303/08-17A
Name CONTINENTAL CTS HQI-TS 1000W

Luminaire Flux	75502.56 lm	Luminaire Power	1000.00 W	Efficacy	75.50 lm/W	Efficiency	83.89%
Lamps Flux	90000.00 lm	Maximum value	3208.90 cd/klm	Position	H=0.00 V=-1.00	VH	VH symm in H0

Luminous Intensity Table cd/klm **Table 5/7**

	H 52.00	H 53.00	H 54.00	H 55.00	H 56.00	H 57.00	H 58.00	H 59.00	H 60.00	H 61.00	H 62.00	H 63.00	H 64.00
V-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V-80.0	0.23	0.24	0.25	0.26	0.28	0.29	0.31	0.34	0.36	0.39	0.42	0.44	0.47
V-70.0	0.94	0.90	0.86	0.82	0.79	0.77	0.75	0.73	0.72	0.71	0.71	0.70	0.71
V-60.0	2.53	2.41	2.30	2.17	2.04	1.92	1.80	1.70	1.61	1.51	1.43	1.35	1.27
V-50.0	4.78	4.26	3.78	3.48	3.33	3.27	3.15	3.04	2.90	2.76	2.64	2.52	2.40
V-40.0	27.88	23.78	19.87	16.28	13.20	10.34	7.84	6.27	5.24	4.63	4.26	4.03	3.73
V-30.0	66.63	58.67	50.65	42.54	34.53	27.21	20.98	15.80	11.98	9.67	8.38	7.43	6.52
V-25.0	79.70	70.55	61.40	52.42	43.75	35.70	28.60	22.57	17.45	13.43	11.10	9.63	8.43
V-20.0	92.78	83.41	74.14	65.11	56.46	48.27	40.68	33.76	27.67	22.29	17.62	14.35	12.10
V-15.0	108.20	99.13	90.02	80.99	72.13	63.46	55.15	47.38	40.17	33.64	27.77	22.65	18.60
V-10.0	121.34	112.55	103.52	94.41	85.32	76.34	67.62	59.26	51.39	44.08	37.31	31.20	25.73
V -9.0	123.48	114.74	105.72	96.61	87.49	78.45	69.66	61.22	53.23	45.78	38.85	32.54	26.87
V -8.0	125.45	116.76	107.75	98.63	89.48	80.39	71.54	63.02	54.90	47.32	40.24	33.74	27.88
V -7.0	127.25	118.60	109.59	100.46	91.28	82.15	73.23	64.63	56.40	48.70	41.48	34.80	28.77
V -6.0	128.87	120.25	111.25	102.10	92.90	83.73	74.74	66.07	57.73	49.91	42.57	35.74	29.53
V -5.0	130.31	121.70	112.71	103.55	94.33	85.12	76.08	67.32	58.90	50.97	43.50	36.54	30.18
V -4.0	131.55	122.96	113.97	104.81	95.56	86.31	77.22	68.40	59.89	51.86	44.29	37.21	30.72
V -3.0	132.61	124.01	115.03	105.85	96.59	87.31	78.18	69.29	60.72	52.60	44.94	37.76	31.15
V -2.0	133.47	124.85	115.88	106.69	97.41	88.11	78.93	69.99	61.36	53.17	45.44	38.19	31.48
V -1.0	134.12	125.49	116.52	107.32	98.01	88.70	79.49	70.50	61.83	53.59	45.80	38.49	31.71
V 0.0	134.56	125.91	116.93	107.72	98.40	89.07	79.84	70.82	62.12	53.84	46.01	38.67	31.85
V 1.0	134.78	126.12	117.12	107.90	98.56	89.21	79.97	70.94	62.22	53.93	46.09	38.73	31.91
V 2.0	134.78	126.11	117.09	107.85	98.51	89.15	79.89	70.86	62.15	53.86	46.03	38.67	31.87
V 3.0	134.59	125.91	116.85	107.60	98.24	88.87	79.61	70.60	61.89	53.63	45.82	38.49	31.74
V 4.0	134.21	125.51	116.41	107.14	97.77	88.38	79.14	70.14	61.46	53.24	45.47	38.19	31.50
V 5.0	133.65	124.91	115.78	106.48	97.09	87.70	78.47	69.50	60.85	52.68	44.97	37.75	31.16
V 6.0	132.92	124.13	114.95	105.63	96.22	86.83	77.61	68.67	60.07	51.96	44.32	37.20	30.71
V 7.0	132.03	123.17	113.94	104.58	95.16	85.76	76.56	67.66	59.11	51.08	43.52	36.51	30.15
V 8.0	130.98	122.03	112.75	103.36	93.92	84.52	75.34	66.47	57.99	50.04	42.58	35.69	29.47
V 9.0	129.76	120.72	111.39	101.95	92.49	83.09	73.93	65.09	56.69	48.83	41.48	34.74	28.67
V 10.0	128.39	119.24	109.85	100.36	90.88	81.48	72.34	63.54	55.22	47.45	40.23	33.66	27.76
V 15.0	118.89	109.22	99.46	89.78	80.25	70.91	61.94	53.53	45.68	38.54	32.07	26.37	21.75
V 20.0	105.89	95.76	85.67	75.81	66.31	57.28	48.85	41.11	34.23	28.10	22.72	18.84	16.04
V 25.0	93.17	83.12	73.08	63.23	53.71	44.80	36.81	29.86	23.80	18.86	15.85	14.09	12.61
V 30.0	81.18	71.74	62.30	52.89	43.72	35.31	27.98	21.68	16.82	13.77	12.36	11.26	9.99
V 40.0	44.29	38.59	32.92	27.31	21.99	16.81	12.06	8.86	6.90	5.88	5.39	5.15	4.90
V 50.0	8.22	7.35	6.62	5.99	5.40	5.15	4.88	4.66	4.29	4.04	3.84	3.67	3.51
V 60.0	4.09	3.95	3.76	3.65	3.48	3.34	3.23	3.08	2.95	2.81	2.70	2.60	2.50
V 70.0	2.45	2.36	2.32	2.26	2.20	2.15	2.10	2.05	2.00	1.95	1.89	1.83	1.78
V 80.0	1.49	1.46	1.43	1.40	1.38	1.35	1.33	1.31	1.29	1.26	1.24	1.22	1.20
V 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire
Code 232233.110
Name CONTINENTAL CTS HQI-TS 1000W
Measurem.
Code CL2303/08-17A
Name CONTINENTAL CTS HQI-TS 1000W

Luminaire Flux	75502.56 lm	Luminaire Power	1000.00 W	Efficacy	75.50 lm/W	Efficiency	83.89%
Lamps Flux	90000.00 lm	Maximum value	3208.90 cd/klm	Position	H=0.00 V=-1.00	VH	VH symm in H0

Luminous Intensity Table cd/klm **Table 6/7**

	H 65.00	H 66.00	H 67.00	H 68.00	H 69.00	H 70.00	H 71.00	H 72.00	H 73.00	H 74.00	H 75.00	H 76.00	H 77.00
V-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V-80.0	0.50	0.52	0.54	0.56	0.57	0.58	0.59	0.59	0.59	0.58	0.57	0.55	0.53
V-70.0	0.72	0.72	0.74	0.75	0.76	0.78	0.79	0.81	0.82	0.84	0.85	0.86	0.85
V-60.0	1.20	1.15	1.10	1.07	1.04	1.02	1.02	1.02	1.02	1.02	1.03	1.04	1.04
V-50.0	2.25	2.06	1.88	1.71	1.60	1.51	1.45	1.41	1.39	1.36	1.31	1.25	1.21
V-40.0	3.43	3.23	2.97	2.65	2.36	2.19	2.07	1.97	1.86	1.77	1.70	1.62	1.51
V-30.0	5.59	4.73	4.10	3.86	3.43	2.95	2.64	2.44	2.25	2.04	1.87	1.79	1.73
V-25.0	7.23	5.98	4.90	4.31	3.92	3.42	2.97	2.67	2.43	2.18	1.96	1.83	1.78
V-20.0	10.28	8.52	6.85	5.53	4.56	3.79	3.29	2.95	2.66	2.38	2.08	1.91	1.84
V-15.0	15.25	12.30	9.60	7.36	5.57	4.23	3.53	3.20	2.93	2.63	2.31	2.07	1.95
V-10.0	20.79	16.36	12.44	9.08	6.39	4.52	3.70	3.37	3.15	2.91	2.55	2.25	2.08
V -9.0	21.69	17.03	12.90	9.34	6.48	4.51	3.73	3.40	3.19	2.96	2.59	2.29	2.11
V -8.0	22.49	17.64	13.33	9.57	6.55	4.48	3.75	3.43	3.22	3.01	2.64	2.33	2.14
V -7.0	23.20	18.18	13.71	9.78	6.60	4.43	3.76	3.46	3.25	3.05	2.68	2.36	2.17
V -6.0	23.81	18.65	14.04	9.97	6.63	4.38	3.78	3.49	3.27	3.09	2.71	2.40	2.20
V -5.0	24.33	19.05	14.33	10.12	6.65	4.31	3.79	3.52	3.29	3.13	2.75	2.43	2.22
V -4.0	24.76	19.38	14.57	10.25	6.65	4.25	3.81	3.54	3.31	3.16	2.78	2.46	2.25
V -3.0	25.10	19.65	14.77	10.36	6.66	4.19	3.82	3.56	3.33	3.19	2.80	2.49	2.27
V -2.0	25.35	19.86	14.92	10.44	6.65	4.15	3.84	3.58	3.34	3.21	2.82	2.52	2.29
V -1.0	25.53	20.00	15.02	10.49	6.65	4.12	3.85	3.60	3.35	3.22	2.84	2.54	2.31
V 0.0	25.64	20.08	15.08	10.52	6.66	4.12	3.87	3.61	3.36	3.23	2.85	2.56	2.33
V 1.0	25.68	20.11	15.09	10.53	6.67	4.15	3.88	3.62	3.36	3.23	2.86	2.57	2.34
V 2.0	25.65	20.08	15.06	10.51	6.70	4.20	3.90	3.63	3.37	3.22	2.86	2.58	2.35
V 3.0	25.55	19.99	14.99	10.47	6.73	4.27	3.92	3.64	3.37	3.21	2.85	2.59	2.36
V 4.0	25.36	19.83	14.87	10.41	6.75	4.36	3.94	3.64	3.36	3.19	2.84	2.60	2.37
V 5.0	25.09	19.62	14.71	10.33	6.78	4.46	3.95	3.64	3.36	3.17	2.83	2.56	2.37
V 6.0	24.73	19.33	14.50	10.23	6.80	4.55	3.97	3.63	3.35	3.14	2.82	2.56	2.37
V 7.0	24.28	18.99	14.26	10.12	6.82	4.65	3.98	3.62	3.34	3.11	2.80	2.56	2.37
V 8.0	23.74	18.58	13.98	9.98	6.82	4.73	3.98	3.61	3.32	3.08	2.78	2.55	2.36
V 9.0	23.11	18.11	13.66	9.83	6.81	4.80	3.99	3.60	3.30	3.05	2.76	2.55	2.35
V 10.0	22.40	17.59	13.31	9.66	6.79	4.84	3.98	3.58	3.28	3.01	2.74	2.54	2.34
V 15.0	17.84	14.39	11.25	8.55	6.31	4.69	3.88	3.47	3.12	2.84	2.66	2.50	2.25
V 20.0	13.72	11.52	9.28	7.16	5.41	4.22	3.66	3.30	2.94	2.71	2.62	2.44	2.12
V 25.0	11.02	9.22	7.32	5.65	4.48	3.86	3.45	3.12	2.86	2.68	2.54	2.31	2.02
V 30.0	8.55	7.04	5.66	4.66	4.03	3.59	3.27	3.01	2.79	2.62	2.44	2.17	1.97
V 40.0	4.59	4.27	3.93	3.59	3.28	3.03	2.81	2.61	2.46	2.32	2.16	2.01	1.86
V 50.0	3.34	3.16	2.97	2.76	2.55	2.36	2.20	2.10	2.02	1.94	1.82	1.69	1.54
V 60.0	2.39	2.28	2.18	2.05	1.95	1.86	1.80	1.74	1.67	1.59	1.50	1.43	1.37
V 70.0	1.72	1.66	1.61	1.56	1.52	1.48	1.44	1.39	1.35	1.31	1.27	1.23	1.18
V 80.0	1.18	1.16	1.14	1.11	1.08	1.06	1.03	1.00	0.97	0.93	0.89	0.85	0.81
V 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire
Code 232233.110
Name CONTINENTAL CTS HQI-TS 1000W
Measurem.
Code CL2303/08-17A
Name CONTINENTAL CTS HQI-TS 1000W

Luminaire Flux	75502.56 lm	Luminaire Power	1000.00 W	Efficacy	75.50 lm/W	Efficiency	83.89%
Lamps Flux	90000.00 lm	Maximum value	3208.90 cd/klm	Position	H=0.00 V=-1.00	VH	VH symm in H0

Luminous Intensity Table cd/klm **Table 7/7**

	H 78.00	H 79.00	H 80.00	H 81.00	H 82.00	H 83.00	H 84.00	H 85.00	H 86.00	H 87.00	H 88.00	H 89.00	H 90.00
V-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V-80.0	0.51	0.49	0.46	0.43	0.39	0.34	0.32	0.25	0.18	0.11	0.06	0.03	0.00
V-70.0	0.84	0.81	0.77	0.73	0.67	0.60	0.55	0.44	0.33	0.22	0.12	0.05	0.00
V-60.0	1.03	0.99	0.95	0.89	0.83	0.76	0.69	0.57	0.45	0.30	0.18	0.08	0.00
V-50.0	1.16	1.11	1.06	0.99	0.90	0.83	0.75	0.65	0.51	0.37	0.22	0.10	0.00
V-40.0	1.38	1.26	1.16	1.07	0.99	0.89	0.79	0.68	0.56	0.41	0.26	0.12	0.00
V-30.0	1.62	1.47	1.31	1.18	1.06	0.96	0.83	0.71	0.59	0.44	0.28	0.15	0.00
V-25.0	1.71	1.55	1.38	1.23	1.10	0.99	0.86	0.73	0.59	0.45	0.29	0.15	0.00
V-20.0	1.77	1.62	1.45	1.29	1.15	1.02	0.89	0.75	0.60	0.46	0.30	0.16	0.00
V-15.0	1.85	1.69	1.50	1.33	1.18	1.05	0.91	0.76	0.61	0.47	0.31	0.15	0.00
V-10.0	1.95	1.76	1.53	1.35	1.21	1.08	0.93	0.77	0.62	0.47	0.31	0.15	0.00
V -9.0	1.97	1.77	1.54	1.36	1.22	1.08	0.94	0.78	0.62	0.47	0.31	0.15	0.00
V -8.0	1.99	1.78	1.55	1.36	1.22	1.09	0.94	0.78	0.62	0.47	0.31	0.16	0.00
V -7.0	2.00	1.79	1.55	1.37	1.23	1.09	0.94	0.78	0.62	0.47	0.31	0.16	0.00
V -6.0	2.02	1.79	1.56	1.37	1.23	1.09	0.94	0.78	0.62	0.47	0.31	0.16	0.00
V -5.0	2.04	1.80	1.56	1.38	1.24	1.10	0.95	0.78	0.62	0.47	0.31	0.16	0.00
V -4.0	2.05	1.81	1.57	1.38	1.24	1.10	0.95	0.79	0.63	0.47	0.32	0.16	0.00
V -3.0	2.06	1.81	1.57	1.39	1.24	1.10	0.95	0.79	0.63	0.47	0.32	0.16	0.00
V -2.0	2.07	1.82	1.57	1.39	1.25	1.11	0.95	0.79	0.63	0.47	0.32	0.16	0.00
V -1.0	2.08	1.82	1.58	1.39	1.25	1.11	0.95	0.79	0.63	0.47	0.32	0.16	0.00
V 0.0	2.09	1.82	1.58	1.40	1.25	1.11	0.95	0.79	0.63	0.47	0.32	0.16	0.00
V 1.0	2.09	1.82	1.58	1.40	1.26	1.11	0.95	0.79	0.63	0.47	0.32	0.16	0.00
V 2.0	2.09	1.82	1.58	1.41	1.26	1.11	0.95	0.79	0.63	0.47	0.32	0.16	0.00
V 3.0	2.09	1.82	1.59	1.41	1.26	1.11	0.95	0.79	0.63	0.47	0.32	0.16	0.00
V 4.0	2.09	1.82	1.59	1.41	1.27	1.12	0.95	0.79	0.63	0.47	0.32	0.16	0.00
V 5.0	2.08	1.81	1.59	1.42	1.27	1.12	0.95	0.79	0.63	0.47	0.32	0.16	0.00
V 6.0	2.08	1.81	1.59	1.42	1.27	1.12	0.95	0.79	0.63	0.47	0.32	0.16	0.00
V 7.0	2.07	1.81	1.59	1.42	1.27	1.12	0.95	0.79	0.64	0.47	0.32	0.16	0.00
V 8.0	2.06	1.81	1.59	1.43	1.27	1.11	0.95	0.79	0.64	0.47	0.32	0.16	0.00
V 9.0	2.05	1.80	1.59	1.43	1.27	1.11	0.95	0.79	0.64	0.47	0.32	0.16	0.00
V 10.0	2.04	1.80	1.59	1.43	1.27	1.11	0.95	0.79	0.64	0.47	0.32	0.16	0.00
V 15.0	1.97	1.77	1.60	1.44	1.27	1.10	0.94	0.79	0.64	0.47	0.31	0.16	0.00
V 20.0	1.89	1.74	1.59	1.42	1.25	1.08	0.93	0.78	0.63	0.46	0.31	0.15	0.00
V 25.0	1.84	1.72	1.58	1.39	1.22	1.05	0.91	0.78	0.63	0.46	0.31	0.15	0.00
V 30.0	1.82	1.69	1.53	1.34	1.17	1.02	0.89	0.78	0.62	0.45	0.30	0.15	0.00
V 40.0	1.69	1.52	1.36	1.22	1.09	0.98	0.88	0.76	0.58	0.43	0.28	0.13	0.00
V 50.0	1.42	1.33	1.24	1.14	1.04	0.95	0.85	0.69	0.54	0.40	0.25	0.11	0.00
V 60.0	1.31	1.24	1.15	1.07	1.00	0.88	0.75	0.63	0.50	0.35	0.22	0.09	0.00
V 70.0	1.12	1.06	0.99	0.92	0.83	0.74	0.65	0.53	0.40	0.28	0.15	0.06	0.00
V 80.0	0.77	0.72	0.66	0.60	0.55	0.49	0.43	0.34	0.24	0.15	0.08	0.03	0.00
V 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00