

**Luminaire**

Code 818641.237  
Name GLOBAL PAR 64W (HO)

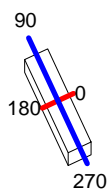
**Measurem.**

Code CL2303/16-04I  
Name Global PAR

Luminaire Flux	8380.00 lm	Luminaire Power	64.00 W	Efficacy	130.94 lm/W	Efficiency	100.00%
Lamps Flux	8380.00 lm	Maximum value	804.07 cd/klm	Position	C=340.00 G=26.00	CG	Asymmetrical
Rectangular Luminaire		Length	1195 mm	Width	295 mm	Height	43 mm
Rectangular Luminous Area		Length	1195 mm	Width	295 mm	Height	1 mm
Horizontal Luminous Area		0.352525 m2		Emitting area on Plane 180°		0.001195 m2	
Emitting area on Plane 0°		0.001195 m2		Emitting area on Plane 270°		0.000295 m2	
Emitting area on Plane 90°		0.000295 m2		Glare area at 76°		0.086443 m2	
Coordinate system		CG		Symmetry Type		Asymmetrical	
Date		22-04-2016		Maximum Gamma Angle		90	
Measurement Distance		0.00		Measurement Flux		2412.76 lm	
Operator		Eseguito da: A. Zahe		Source Voltage [V]			
Temperature				Source current [A]			
Humidity				Photocell			
Notes		1 * 1006B/CL2303/16-04L = 2412.76 lm					

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
LED		GLOBAL PAR LED 64W		Name		8380.00	64.00	1
				GLOBAL PAR LED 64W				
C.I.E.	76 98 100 100 100			D DIN 5040	A60			
F UTE	1.00 B			B NBN	BZ 2 / 1.5 / BZ 1 / 4 / BZ 2			

1195mm x 295mm



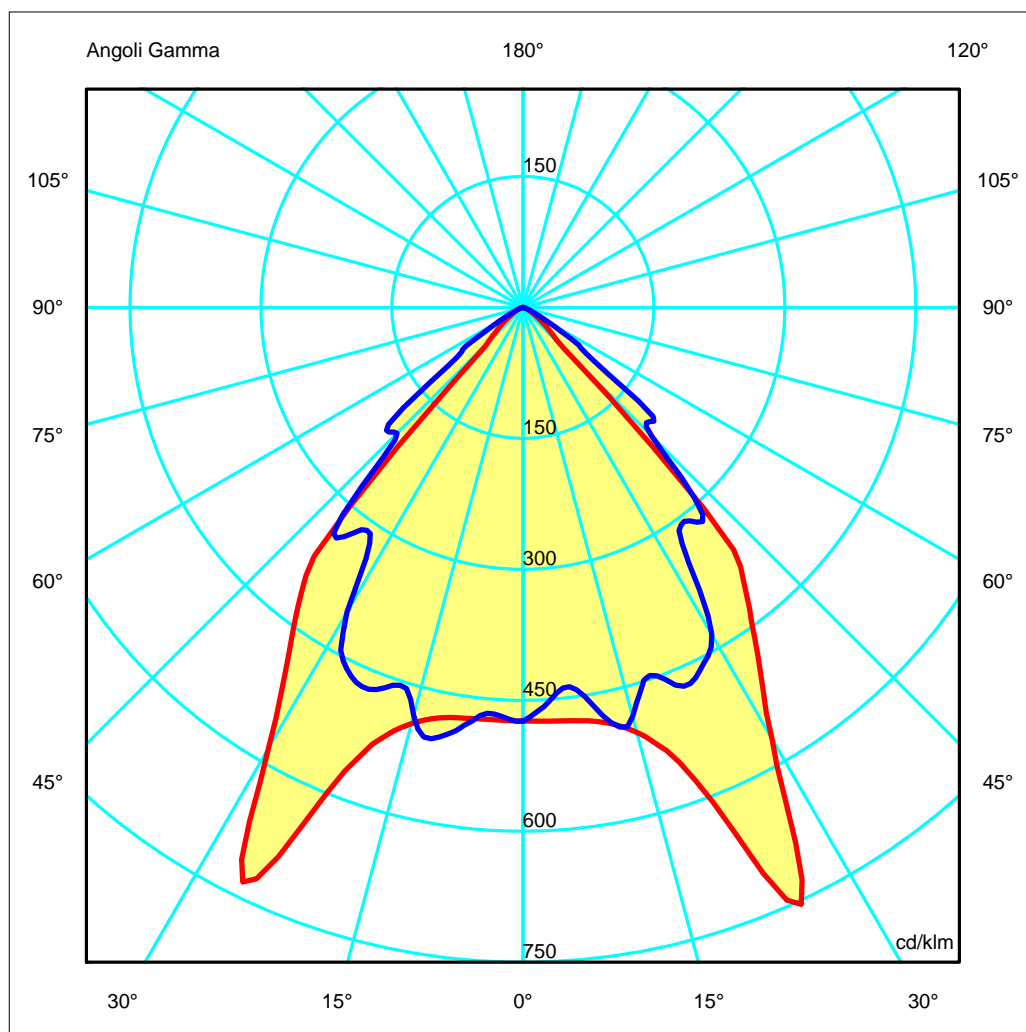
Semipiani C

180.0 — 0.0  
270.0 — 90.0

ULOR 0.00 %

DLOR100.00 %

RN 0.00 %



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Luminaire Flux	8380.00 lm		Luminaire Power		64.00 W		Efficacy		130.94 lm/W		Efficiency		100.00%	
Lamps Flux	8380.00 lm		Maximum value		804.07 cd/klm		Position		C=340.00 G=26.00		CG Asymmetrical			
Luminous Intensity Table cd/klm Table 1/6														
	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00	
G 0.0	473.71	473.71	473.71	473.71	473.71	473.71	473.71	473.71	473.71	473.71	473.71	473.71	473.71	
G 1.0	473.83	472.98	472.40	471.68	470.71	470.40	469.94	469.81	469.41	468.94	469.55	469.96	470.26	
G 2.0	474.10	472.64	471.26	469.56	467.96	466.50	465.44	464.72	463.94	463.32	464.61	464.60	465.73	
G 3.0	474.53	472.23	469.68	467.13	464.47	462.29	460.97	459.21	458.54	457.83	458.03	459.19	461.04	
G 4.0	474.87	471.75	468.22	464.62	460.92	457.97	454.64	452.98	451.61	450.64	450.95	453.37	455.33	
G 5.0	475.42	471.27	466.65	461.94	456.91	452.31	448.34	445.46	444.56	443.29	444.15	445.49	448.79	
G 6.0	475.94	470.72	465.19	459.08	452.80	446.97	443.05	440.11	439.12	438.24	438.69	440.24	442.63	
G 7.0	476.86	470.68	463.77	456.29	447.74	442.22	439.28	438.30	437.83	437.55	437.26	437.96	439.10	
G 8.0	478.03	470.89	462.64	453.19	444.45	439.90	439.08	440.66	441.79	442.43	440.36	439.99	438.14	
G 9.0	479.38	471.30	461.42	450.09	442.15	440.35	442.53	447.85	450.55	450.94	448.86	446.76	441.41	
G 10.0	481.45	472.27	460.75	448.07	441.70	444.32	450.50	457.21	460.98	462.75	461.49	456.39	448.70	
G 11.0	484.07	473.71	460.15	447.14	443.80	450.55	460.68	469.11	473.53	475.53	472.58	468.55	457.39	
G 12.0	487.09	475.98	460.12	447.61	447.96	459.87	471.13	480.70	484.43	486.02	483.79	480.28	469.76	
G 13.0	491.88	479.15	460.93	449.93	456.03	470.49	482.25	489.20	492.65	493.13	492.19	489.03	479.85	
G 14.0	497.41	483.37	462.86	454.16	464.70	480.51	490.51	495.90	495.97	494.84	496.00	495.32	488.94	
G 15.0	503.52	488.22	465.96	461.38	475.69	491.50	497.63	495.38	488.04	485.15	488.85	495.27	495.90	
G 16.0	511.69	495.07	471.43	471.24	487.64	499.11	499.44	486.11	475.80	471.74	474.34	485.50	497.82	
G 17.0	522.61	503.80	478.77	482.15	499.99	505.92	492.76	474.00	464.18	460.01	463.40	473.20	492.00	
G 18.0	534.08	514.58	489.48	497.15	510.28	508.18	481.90	463.54	451.85	448.60	450.81	461.26	480.58	
G 19.0	551.27	529.48	504.16	514.63	522.32	503.48	473.56	453.15	446.46	445.74	446.06	451.44	469.92	
G 20.0	575.35	548.38	523.46	534.65	532.57	497.09	464.96	450.20	448.18	449.01	448.32	449.15	459.84	
G 21.0	606.45	576.99	548.68	556.70	541.23	492.36	459.28	453.28	455.18	456.67	455.45	452.40	455.06	
G 22.0	649.55	611.57	585.03	582.76	546.05	489.49	460.48	459.53	463.67	466.57	465.45	460.07	457.88	
G 23.0	704.18	662.62	627.75	608.46	548.50	486.87	465.80	468.77	470.54	471.36	471.45	469.57	463.80	
G 24.0	742.97	706.75	683.07	641.36	554.49	490.07	474.81	474.99	472.52	471.56	473.28	476.00	473.13	
G 25.0	754.28	727.48	737.78	678.43	563.92	499.89	485.71	477.41	470.48	468.00	470.71	477.82	484.06	
G 26.0	729.19	715.31	768.84	713.67	576.75	510.66	493.24	475.99	465.41	462.58	466.31	475.79	490.33	
G 27.0	688.11	672.11	764.79	744.48	591.96	527.92	497.79	472.15	460.01	456.81	459.91	472.02	493.61	
G 28.0	641.02	629.52	730.89	748.16	619.52	543.53	499.24	468.09	455.23	451.88	454.93	466.92	493.74	
G 29.0	600.00	584.85	683.80	724.81	650.51	558.07	498.96	464.79	450.09	444.57	449.61	462.56	492.46	
G 30.0	570.41	547.70	638.24	684.78	678.56	569.59	499.18	461.99	440.42	432.46	439.81	458.82	490.56	
G 31.0	541.12	517.89	600.32	639.03	692.24	578.07	500.29	456.23	425.13	411.64	421.41	451.28	489.51	
G 32.0	520.03	494.77	569.59	594.03	683.71	586.25	502.27	444.53	399.91	382.42	399.10	437.73	489.10	
G 33.0	499.77	473.88	547.84	553.77	653.69	595.07	501.63	426.96	369.43	349.19	364.44	416.18	486.06	
G 34.0	481.10	454.48	526.39	521.67	616.93	602.52	495.07	400.39	342.83	325.77	338.73	386.68	476.19	
G 35.0	463.04	436.59	508.67	499.11	573.15	605.56	482.90	374.40	322.81	311.78	320.87	358.39	458.68	
G 36.0	445.81	421.13	489.22	477.22	533.80	598.22	463.34	357.19	315.09	308.17	313.70	342.53	429.81	
G 37.0	431.03	404.82	469.37	456.66	502.01	578.83	438.85	346.35	313.23	306.89	311.70	334.24	402.32	
G 38.0	415.30	391.52	448.44	440.01	479.39	543.94	418.37	344.87	314.63	310.19	313.59	332.84	384.89	
G 39.0	400.72	378.83	429.58	422.51	460.10	499.79	403.33	346.59	320.59	316.51	319.55	334.82	372.50	
G 40.0	387.82	366.46	409.72	403.35	444.75	452.40	398.70	352.48	326.92	320.13	325.62	340.53	367.82	
G 41.0	367.89	353.52	387.49	384.41	424.43	398.53	399.34	360.11	327.46	313.85	324.71	347.84	368.23	
G 42.0	309.08	336.52	361.69	359.87	404.22	359.30	404.17	362.31	315.16	293.38	313.43	350.40	374.27	
G 43.0	218.93	250.10	330.04	338.08	375.88	328.52	410.56	352.61	290.28	266.43	286.65	342.10	386.22	
G 44.0	141.80	189.80	263.49	316.17	339.85	309.39	408.42	326.61	259.27	231.68	253.61	314.46	393.05	
G 45.0	65.51	103.80	193.42	298.25	293.04	296.40	388.55	296.59	230.38	208.71	224.99	279.27	385.00	
G 46.0	53.10	74.71	130.64	266.26	253.00	288.30	348.43	262.83	212.37	196.16	210.00	248.05	352.87	
G 47.0	48.59	70.55	82.18	197.92	216.21	277.77	304.21	233.44	205.29	193.51	203.39	225.27	304.50	
G 48.0	44.85	66.15	75.58	139.04	189.93	261.14	262.64	222.11	203.75	195.63	203.41	215.95	260.90	
G 49.0	40.88	61.94	71.22	67.21	175.20	229.26	223.18	216.15	205.13	198.62	205.51	214.01	225.60	
G 50.0	36.61	56.88	65.51	53.00	150.07	193.31	194.82	214.46	205.43	194.80	205.19	213.49	205.44	
G 51.0	33.37	51.63	60.01	49.44	110.61	162.59	175.17	210.65	190.54	170.05	188.17	210.48	191.47	
G 52.0	30.20	46.66	54.07	45.54	75.47	128.03	159.91	199.45	160.09	125.74	153.20	193.74	180.45	
G 53.0	27.03	41.33	48.18	42.39	51.86	107.01	149.84	169.55	121.40	101.75	114.49	160.06	170.04	
G 54.0	24.24	36.83	42.49	38.93	45.80	93.26	140.26	126.10	98.96	89.29	95.92	120.05	156.74	
G 55.0	21.59	32.47	37.68	35.33	40.87	66.94	117.75	95.59	87.67	81.02	86.11	94.07	124.55	
G 56.0	19.35	28.63	32.56	32.10	36.24	53.43	83.71	76.68	79.46	77.38	80.00	80.27	84.26	
G 57.0	17.39	25.34	28.20	29.39	31.64	42.23	57.53	65.90	72.36	65.55	71.45	71.93	54.28	
G 58.0	15.78	22.20	24.71	26.75	28.40	33.22	44.52	60.15	56.27	51.03	58.04	64.01	45.23	
G 59.0	14.37	19.81	22.12	24.37	25.18	29.36	39.27	48.25	44.72	42.35	45.65	53.68	40.76	
G 60.0	12.77	17.20	19.80	22.12	22.64	25.36	36.93	38.02	37.31	34.02	37.16	40.48	40.68	
G 61.0	11.46	15.42	18.07	20.28	20.37	21.56	28.11	31.28	29.97	27.48	30.24	32.91	32.96	
G 62.0	10.29	13.71	16.39	18.41	18.38	18.57	21.68	26.05	24.31	22.95	24.60	27.58	22.59	
G 63.0	9.36	12.34	14.81	16.91	16.57	16.04	18.12	22.03	20.21	18.82	20.63	22.06	18.03	
G 64.0	8.43	11.11	13.64	15.32	15.08	13.63	15.21	18.20	16.95	15.67	17.06	18.70	14.96	
G 65.0	7.57	9.89	12.44	13.58	13.46	11.48	12.83	15.22	14.26	13.19	14.52	15.55	12.82	
G 66.0	6.85	8.78	11.50	12.13	11.89	9.88	11.15	13.07	12.12	11.18	12.04	13.04	10.90	
G 67.0	6.09	7.80	10.39	10.53	9.97	8.48	9.49	11.11	10.39	9.71	10.35	11.10	9.23	
G 68.0	5.50	6.95	9.49	8.97										

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Luminaire Flux	8380.00 lm		Luminaire Power		64.00 W		Efficacy		130.94 lm/W		Efficiency		100.00%	
Lamps Flux	8380.00 lm		Maximum value		804.07 cd/klm		Position		C=340.00 G=26.00		CG Asymmetrical			
Luminous Intensity Table cd/klm Table 2/6														
	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00	
G 0.0	473.71	473.71	473.71	473.71	473.71	473.71	473.71	473.71	473.71	473.71	473.71	473.71	473.71	473.71
G 1.0	470.81	471.50	471.95	472.78	473.30	473.67	473.98	474.22	474.56	474.42	474.58	474.29	474.54	
G 2.0	466.61	468.24	469.80	471.33	472.76	473.48	474.13	474.43	474.36	473.63	473.24	472.47	472.41	
G 3.0	462.93	464.82	467.16	469.57	471.84	473.42	474.07	474.08	473.36	471.89	471.32	470.42	470.14	
G 4.0	458.36	461.37	464.58	467.92	471.28	473.38	474.24	473.55	472.06	470.66	469.52	468.30	467.65	
G 5.0	453.02	457.34	462.08	466.41	470.55	473.61	474.56	472.88	470.93	469.09	467.67	466.49	466.64	
G 6.0	447.07	452.87	459.12	464.55	469.90	473.96	474.63	472.06	470.10	467.36	466.37	466.87	468.49	
G 7.0	442.25	448.08	456.13	463.29	469.60	474.38	474.55	471.54	468.76	466.28	467.14	470.07	473.57	
G 8.0	439.22	444.28	453.07	461.83	469.36	475.07	474.62	471.30	467.86	466.55	470.27	475.67	479.67	
G 9.0	438.83	441.07	449.66	460.33	469.36	475.78	474.85	471.12	467.41	468.60	475.09	480.93	486.64	
G 10.0	441.91	439.65	446.70	458.90	469.65	476.82	475.68	471.39	467.93	472.39	480.80	487.16	492.69	
G 11.0	448.27	440.71	444.70	457.74	470.41	478.78	476.82	471.80	470.03	477.02	485.91	493.06	497.82	
G 12.0	456.85	444.86	443.84	456.68	471.54	481.04	478.50	472.85	472.99	482.24	491.67	498.31	502.31	
G 13.0	466.08	450.74	444.60	456.27	473.44	484.07	480.99	474.62	477.67	487.37	497.09	502.22	506.08	
G 14.0	476.99	458.63	447.20	456.72	476.16	488.47	484.78	477.76	483.28	493.51	501.91	506.59	505.12	
G 15.0	486.64	468.63	453.07	458.11	479.89	493.58	489.31	482.16	489.93	499.97	506.83	506.99	496.95	
G 16.0	495.14	479.50	461.10	461.24	485.09	499.82	495.54	488.46	496.74	506.35	511.04	501.80	483.99	
G 17.0	501.59	490.36	471.07	466.14	491.38	507.41	503.73	496.13	505.97	513.13	511.96	491.73	469.62	
G 18.0	504.13	502.16	482.15	473.53	499.58	517.42	511.97	506.65	516.45	520.01	508.83	479.04	459.37	
G 19.0	499.88	511.43	497.51	483.81	508.84	528.90	525.58	518.12	528.42	526.31	501.89	466.50	457.52	
G 20.0	491.82	521.15	513.22	497.75	522.09	547.29	540.81	535.11	540.72	531.98	493.34	462.73	459.65	
G 21.0	484.75	528.45	531.22	513.88	540.25	568.08	563.08	553.00	555.53	535.42	483.59	464.08	465.39	
G 22.0	477.41	531.39	551.08	538.42	564.17	600.23	595.51	580.15	571.79	537.16	480.77	469.17	470.09	
G 23.0	474.31	531.23	570.04	567.35	597.47	641.95	638.87	613.92	591.39	537.31	483.97	475.66	473.22	
G 24.0	478.69	531.84	593.77	606.82	637.48	688.28	682.33	657.59	613.80	537.20	490.67	481.04	474.17	
G 25.0	487.05	533.91	623.15	654.31	674.63	721.95	726.58	701.50	636.11	540.70	501.07	485.28	473.34	
G 26.0	498.93	538.91	650.91	697.46	697.77	732.03	746.59	750.07	663.20	550.62	511.87	487.54	471.35	
G 27.0	512.86	550.09	678.79	732.34	690.69	709.58	731.33	771.53	690.60	568.09	522.93	488.95	467.91	
G 28.0	526.63	567.63	699.34	736.54	662.81	667.03	691.03	761.18	712.99	590.04	530.81	489.84	463.29	
G 29.0	537.91	593.98	702.13	709.47	612.38	620.47	648.12	722.37	715.31	620.77	537.83	490.30	458.26	
G 30.0	544.78	628.13	685.25	666.16	573.93	582.70	602.17	671.83	694.45	649.21	543.06	490.59	448.20	
G 31.0	549.50	655.34	652.73	621.63	536.72	549.54	563.88	629.51	654.05	672.91	548.34	490.62	430.76	
G 32.0	552.25	672.80	604.73	586.73	506.20	523.78	532.55	590.01	609.87	676.35	553.65	486.46	408.66	
G 33.0	554.59	666.53	564.37	555.02	481.26	500.34	509.79	558.45	570.70	655.42	562.12	475.77	379.30	
G 34.0	559.06	642.25	535.15	529.06	462.09	479.97	487.46	532.63	540.75	619.54	572.62	458.62	356.12	
G 35.0	566.26	599.53	510.03	508.52	441.40	461.75	467.50	511.65	514.69	574.34	580.28	431.19	342.73	
G 36.0	571.38	559.31	488.98	488.68	426.34	444.59	449.20	489.94	492.43	534.55	578.40	408.68	338.74	
G 37.0	566.60	524.42	473.99	466.53	410.59	427.92	434.19	467.90	473.06	503.56	562.71	390.81	340.75	
G 38.0	543.03	492.31	457.82	445.83	395.64	411.14	417.59	446.73	454.63	476.24	524.69	381.41	347.22	
G 39.0	501.95	466.35	439.74	423.80	381.35	394.63	403.46	423.14	430.59	453.63	471.62	380.68	356.36	
G 40.0	442.94	447.05	419.55	399.47	368.91	371.98	385.34	394.59	406.74	430.29	424.77	386.49	368.03	
G 41.0	398.49	427.17	398.81	373.02	351.80	303.02	352.93	365.08	378.59	403.97	375.93	398.80	372.91	
G 42.0	357.96	401.94	375.66	342.66	284.93	212.92	257.45	335.73	351.87	372.90	346.44	412.43	368.57	
G 43.0	332.19	373.26	349.22	287.92	201.72	116.02	170.13	247.84	328.44	335.84	322.57	422.16	346.60	
G 44.0	311.37	328.99	324.38	213.65	118.68	63.00	108.05	188.96	311.13	287.44	306.77	415.60	299.04	
G 45.0	298.90	280.66	289.32	144.03	70.94	55.64	78.48	119.30	269.95	243.92	294.35	383.69	261.87	
G 46.0	291.17	239.50	208.11	81.70	65.17	51.01	74.99	79.87	198.87	211.87	282.73	329.82	236.84	
G 47.0	283.95	209.86	140.31	72.32	61.98	47.28	71.36	74.88	129.42	191.94	270.66	271.79	227.97	
G 48.0	270.03	190.25	72.04	69.51	58.38	43.08	67.20	71.04	69.55	176.99	251.23	228.26	226.32	
G 49.0	245.27	157.65	56.35	66.58	54.75	39.57	62.89	66.88	55.54	144.79	216.31	203.87	225.40	
G 50.0	203.06	126.98	51.58	63.29	50.96	36.35	58.26	61.80	51.70	108.03	168.85	187.93	221.69	
G 51.0	153.97	92.42	47.92	59.46	47.19	33.04	52.41	56.09	48.59	72.62	132.43	176.01	208.72	
G 52.0	124.12	60.94	44.78	55.70	43.33	29.83	47.37	51.20	44.89	54.44	110.47	166.22	180.21	
G 53.0	107.67	53.84	41.69	50.63	39.35	27.05	42.06	45.62	41.66	48.72	99.56	153.24	133.34	
G 54.0	97.93	48.23	39.04	45.43	35.61	24.07	37.69	40.22	38.17	44.11	74.90	128.28	99.69	
G 55.0	84.34	42.92	36.39	40.64	31.45	21.10	32.92	35.08	34.79	39.17	61.87	91.41	77.82	
G 56.0	57.03	37.52	33.39	36.40	27.94	19.08	29.30	30.87	31.64	34.19	44.43	59.87	69.79	
G 57.0	37.65	33.71	30.76	31.24	24.64	17.04	25.27	26.91	28.85	30.55	34.75	44.89	67.70	
G 58.0	33.58	29.77	28.17	27.75	21.52	15.43	22.01	23.80	26.40	27.03	30.28	39.79	57.63	
G 59.0	29.71	26.32	25.91	24.36	19.02	13.79	19.53	21.36	24.10	24.06	26.72	40.31	41.72	
G 60.0	25.91	23.33	23.94	21.47	16.77	12.45	17.18	19.10	22.08	21.77	23.03	34.63	33.86	
G 61.0	22.21	20.92	21.86	19.26	14.89	11.12	15.23	17.49	20.04	19.46	19.65	23.27	27.91	
G 62.0	19.14	18.43	20.04	17.19	13.42	10.05	13.69	15.97	18.11	17.40	16.96	19.06	23.28	
G 63.0	16.10	16.13	18.33	15.36	11.91	9.05	12.20	14.60	16.61	15.48	14.48	15.83	19.54	
G 64.0	13.52	14.19	16.78	13.70	10.81	8.21	11.04	13.45	15.01	13.62	12.34	13.62	16.37	
G 65.0	11.35	11.98	14.91	12.23	9.66	7.36	9.85	12.41	13.40	12.00	10.40	11.58	13.81	
G 66.0	9.75	10.38	12.83	10.79	8.67	6.67	8.85	11.44	11.92	10.20				

**Luminaire**

Code 818641.237  
Name GLOBAL PAR 64W (HO)  
**Measurem.**  
Code CL2303/16-04I  
Name Global PAR

Luminaire Flux	8380.00 lm		Luminaire Power		64.00 W		Efficacy		130.94 lm/W		Efficiency		100.00%	
Lamps Flux	8380.00 lm		Maximum value		804.07 cd/klm		Position		C=340.00 G=26.00		CG		Asymmetrical	
Luminous Intensity Table cd/klm Table 3/6														
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00				
G 0.0	473.71	473.71	473.71	473.71	473.71	473.71	473.71	473.71	473.71	473.71	473.71	473.71	473.71	473.71
G 1.0	474.12	473.88	474.02	474.00	474.06	474.27	474.46	474.31	474.26	474.06				
G 2.0	471.70	471.67	471.68	471.78	472.04	472.94	473.45	473.98	474.46	474.59				
G 3.0	469.38	468.93	469.27	469.40	470.02	471.22	472.22	473.11	474.33	474.97				
G 4.0	467.00	466.88	467.29	467.18	467.79	469.26	470.88	472.22	474.02	475.24				
G 5.0	466.67	466.64	467.11	466.68	466.84	467.42	469.30	471.23	473.53	475.58				
G 6.0	470.29	469.89	470.92	469.08	468.07	467.14	468.13	470.29	473.29	476.05				
G 7.0	475.88	477.13	476.77	474.76	472.35	469.04	468.13	469.63	473.13	476.71				
G 8.0	483.04	483.32	483.68	481.36	478.19	473.29	469.89	469.45	473.14	477.50				
G 9.0	489.36	490.85	490.75	488.07	484.49	478.61	473.03	470.23	473.49	478.62				
G 10.0	495.64	496.18	496.38	494.64	490.54	485.01	477.51	472.23	474.31	480.07				
G 11.0	500.21	501.23	501.57	500.07	496.63	491.06	483.73	475.31	476.17	482.07				
G 12.0	504.57	504.99	505.47	504.06	502.01	496.54	489.19	480.81	478.37	485.16				
G 13.0	505.73	504.90	506.04	507.54	505.92	502.35	495.48	486.43	482.15	489.31				
G 14.0	499.34	497.39	499.63	505.38	509.41	507.44	502.33	493.60	487.56	494.06				
G 15.0	488.39	483.68	487.22	497.51	508.33	511.90	509.44	501.70	494.40	500.57				
G 16.0	472.05	466.87	471.90	483.87	502.27	515.37	516.21	510.91	503.04	508.54				
G 17.0	458.92	456.37	459.19	468.86	490.66	514.50	523.58	520.81	514.49	517.57				
G 18.0	455.41	455.02	456.13	459.52	476.99	509.72	531.21	533.24	528.30	531.24				
G 19.0	457.30	457.66	457.91	458.86	467.28	502.74	537.15	547.39	544.93	546.13				
G 20.0	462.10	463.62	463.27	461.65	465.08	493.36	540.77	561.33	564.95	568.52				
G 21.0	467.76	468.85	469.12	468.01	467.93	485.90	542.50	580.28	593.76	599.97				
G 22.0	471.12	471.62	473.13	474.49	473.24	485.93	543.87	599.87	625.60	642.66				
G 23.0	471.98	471.69	474.43	478.33	482.38	491.47	544.62	620.57	672.44	689.76				
G 24.0	470.59	469.79	473.31	479.87	489.31	500.38	545.81	647.98	727.54	737.02				
G 25.0	467.12	465.70	470.27	479.19	494.90	512.56	553.71	676.62	778.27	760.29				
G 26.0	463.10	460.41	465.35	476.18	498.48	526.13	572.20	704.04	804.07	745.43				
G 27.0	456.87	453.81	459.44	472.76	500.02	538.55	597.53	728.62	792.22	706.32				
G 28.0	449.68	444.66	451.22	467.88	500.11	549.01	628.48	729.59	750.52	656.82				
G 29.0	435.94	424.59	437.38	461.80	499.31	556.43	664.78	707.06	696.73	617.76				
G 30.0	413.46	403.13	413.81	448.84	497.99	562.45	691.02	664.10	647.22	583.76				
G 31.0	383.59	368.82	385.79	430.99	495.09	566.57	700.80	615.37	607.03	553.16				
G 32.0	354.08	339.21	353.58	404.78	485.38	571.36	684.24	580.11	573.37	530.32				
G 33.0	331.23	322.53	332.19	377.50	471.37	577.49	651.90	548.21	544.20	510.11				
G 34.0	318.29	312.54	319.96	358.54	451.26	585.64	606.86	523.36	517.97	490.69				
G 35.0	315.09	311.60	316.84	344.55	423.36	584.86	561.02	506.09	495.19	472.56				
G 36.0	317.81	314.74	319.37	340.63	404.38	572.72	526.70	489.06	470.83	455.55				
G 37.0	324.91	323.77	326.62	342.65	392.89	541.63	497.76	474.08	450.99	441.20				
G 38.0	335.06	333.38	336.49	349.05	386.60	496.86	473.55	458.85	431.42	425.80				
G 39.0	344.31	339.83	345.92	359.25	386.12	447.85	451.50	440.25	410.40	410.99				
G 40.0	346.72	337.46	347.51	368.27	391.53	402.84	424.42	419.46	387.65	397.07				
G 41.0	335.44	315.23	337.29	372.35	402.58	366.50	396.74	399.73	364.85	383.84				
G 42.0	298.23	275.27	298.80	365.48	416.43	343.28	367.43	373.57	342.99	356.32				
G 43.0	257.09	234.49	256.61	335.61	420.73	328.12	329.97	349.25	320.95	281.85				
G 44.0	228.89	210.73	228.74	291.25	410.61	320.22	293.37	326.40	251.64	202.03				
G 45.0	214.91	203.95	215.70	254.83	371.87	315.87	263.12	304.37	194.21	96.34				
G 46.0	213.80	205.42	214.58	234.31	319.61	309.60	231.88	255.38	115.02	67.95				
G 47.0	217.07	209.38	217.00	227.28	267.18	296.87	213.27	177.33	78.48	63.98				
G 48.0	218.22	210.38	217.91	228.70	232.99	270.94	200.74	113.42	74.49	59.62				
G 49.0	214.39	204.06	213.08	229.27	214.95	231.76	192.68	63.19	70.09	55.27				
G 50.0	197.83	179.27	196.17	223.78	205.83	176.09	161.00	54.54	65.14	50.70				
G 51.0	163.03	139.59	156.19	207.36	196.59	143.87	133.40	50.37	60.05	46.66				
G 52.0	123.35	109.69	122.18	176.63	185.08	124.31	72.60	46.47	55.13	42.10				
G 53.0	99.52	94.28	101.39	133.34	168.01	119.11	52.02	42.77	49.84	38.08				
G 54.0	89.49	86.68	91.84	106.77	135.18	114.38	46.58	39.55	44.74	34.19				
G 55.0	83.69	84.39	87.56	88.90	95.73	93.94	41.15	35.68	39.74	30.44				
G 56.0	81.41	78.16	84.87	80.01	64.51	68.78	36.91	32.74	34.81	27.00				
G 57.0	63.44	59.74	67.11	78.68	53.55	42.50	32.90	29.81	30.86	23.93				
G 58.0	48.92	46.52	50.45	63.90	50.05	33.83	29.45	27.20	27.01	21.36				
G 59.0	40.50	38.04	41.54	46.84	51.92	30.04	26.27	24.98	23.76	19.05				
G 60.0	32.09	31.15	34.09	37.62	41.97	26.06	23.73	23.08	20.84	16.84				
G 61.0	26.30	25.40	27.74	31.30	27.53	22.68	20.65	21.07	18.82	15.10				
G 62.0	21.90	20.84	22.69	25.99	21.77	19.13	18.49	19.29	16.88	13.63				
G 63.0	18.00	17.29	18.91	21.36	17.65	15.95	16.16	17.70	15.13	12.13				
G 64.0	15.26	14.54	15.81	18.02	14.78	13.27	14.11	15.96	13.51	11.15				
G 65.0	13.05	12.35	13.35	14.78	12.57	11.53	12.11	14.13	12.06	9.84				
G 66.0	11.06	10.88	11.48	12.69	10.71	9.57	10.22	11.91	10.50	8.85				
G 67.0	9.55	9.18	9.76	10.75	9.29	8.10	8.59	9.74	9.22	7.80				
G 68.0	8.27	7.94	8.47	9.27	7.98	7.11	7.37	7.83	7.99	6.80				
G 69.0	7.11	6.81	7.23	7.79	7.00	6.17	6.25	6.41	6.92	5.90				
G 70.0	6.08	5.85	6.20	6.78	6.02	5.39	5.28	5.42	5.89	5.21				
G 71.0	5.23	5.04	5.33	5.80	5.27	4.72	4.65	4.59	4.97	4.47				
G 72.0	4.58	4.41	4.62	4.98	4.57	4.19	4.04	3.91	4.27	3.93				

**Luminaire**

Code 818641.237  
Name GLOBAL PAR 64W (HO)

**Measurement**

Code CL2303/16-04I  
Name Global PAR

Luminaire Flux	8380.00 lm	Luminaire Power	64.00 W	Efficacy	130.94 lm/W	Efficiency	100.00%
Lamps Flux	8380.00 lm	Maximum value	804.07 cd/klm	Position	C=340.00 G=26.00	CG	Asymmetrical

**Luminous Intensity Table cd/klm Table 4/6**

	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 73.0	3.02	3.27	3.63	3.68	3.74	3.82	4.09	4.46	4.19	3.93	4.13	4.42	3.95
G 74.0	2.64	2.87	3.09	3.18	3.29	3.35	3.57	3.84	3.65	3.38	3.55	3.79	3.47
G 75.0	2.29	2.52	2.70	2.85	2.90	2.94	3.11	3.32	3.10	2.94	3.05	3.26	3.04
G 76.0	2.01	2.19	2.41	2.51	2.58	2.57	2.74	2.86	2.71	2.51	2.65	2.82	2.64
G 77.0	1.73	1.89	2.10	2.20	2.23	2.25	2.34	2.47	2.34	2.21	2.27	2.41	2.28
G 78.0	1.50	1.63	1.82	1.91	1.98	1.98	2.05	2.16	2.02	1.89	1.98	2.11	1.99
G 79.0	1.29	1.42	1.58	1.68	1.72	1.71	1.77	1.84	1.76	1.63	1.69	1.80	1.70
G 80.0	1.10	1.22	1.38	1.43	1.47	1.46	1.50	1.55	1.44	1.35	1.41	1.50	1.46
G 81.0	0.93	1.03	1.18	1.21	1.24	1.24	1.27	1.29	1.20	1.13	1.17	1.24	1.23
G 82.0	0.79	0.87	1.00	1.01	1.04	1.00	1.06	1.05	0.98	0.90	0.95	1.00	1.01
G 83.0	0.65	0.73	0.84	0.85	0.85	0.82	0.86	0.85	0.80	0.75	0.78	0.84	0.83
G 84.0	0.52	0.58	0.70	0.70	0.69	0.68	0.72	0.73	0.68	0.64	0.67	0.70	0.70
G 85.0	0.42	0.46	0.55	0.57	0.56	0.56	0.60	0.62	0.59	0.55	0.57	0.59	0.57
G 86.0	0.32	0.35	0.42	0.44	0.46	0.45	0.49	0.53	0.52	0.48	0.49	0.51	0.48
G 87.0	0.22	0.25	0.31	0.35	0.35	0.36	0.40	0.44	0.45	0.42	0.44	0.43	0.41
G 88.0	0.13	0.15	0.18	0.22	0.25	0.28	0.32	0.36	0.38	0.38	0.38	0.39	0.31
G 89.0	0.03	0.04	0.06	0.09	0.12	0.14	0.18	0.22	0.25	0.26	0.29	0.23	0.18
G 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 818641.237  
Name GLOBAL PAR 64W (HO)

**Measurem.**

Code CL2303/16-04I  
Name Global PAR

Luminaire Flux	8380.00 lm	Luminaire Power	64.00 W	Efficacy	130.94 lm/W	Efficiency	100.00%
Lamps Flux	8380.00 lm	Maximum value	804.07 cd/klm	Position	C=340.00 G=26.00	CG	Asymmetrical

**Luminous Intensity Table cd/klm Table 5/6**

	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 73.0	3.67	3.64	3.49	3.69	3.29	2.93	3.33	3.42	3.38	3.39	3.51	3.79	4.16
G 74.0	3.24	3.19	3.10	3.15	2.87	2.55	2.92	2.99	2.97	2.99	3.09	3.28	3.64
G 75.0	2.83	2.79	2.75	2.72	2.50	2.21	2.54	2.63	2.66	2.67	2.76	2.92	3.12
G 76.0	2.44	2.45	2.43	2.41	2.18	1.91	2.21	2.33	2.35	2.36	2.42	2.55	2.70
G 77.0	2.17	2.14	2.14	2.09	1.89	1.66	1.92	2.04	2.08	2.09	2.14	2.23	2.37
G 78.0	1.88	1.86	1.87	1.81	1.63	1.42	1.70	1.82	1.85	1.85	1.91	1.96	2.03
G 79.0	1.62	1.64	1.62	1.59	1.42	1.22	1.46	1.57	1.62	1.64	1.65	1.69	1.77
G 80.0	1.40	1.41	1.41	1.35	1.19	1.06	1.26	1.38	1.41	1.41	1.43	1.48	1.51
G 81.0	1.17	1.19	1.19	1.16	1.03	0.88	1.09	1.19	1.24	1.23	1.24	1.26	1.28
G 82.0	0.97	1.02	1.01	0.99	0.87	0.74	0.91	1.02	1.04	1.03	1.05	1.08	1.11
G 83.0	0.80	0.82	0.82	0.82	0.72	0.61	0.76	0.88	0.89	0.88	0.88	0.93	0.95
G 84.0	0.65	0.67	0.68	0.69	0.59	0.49	0.64	0.73	0.75	0.74	0.75	0.80	0.84
G 85.0	0.53	0.55	0.56	0.56	0.48	0.39	0.51	0.60	0.63	0.61	0.64	0.69	0.75
G 86.0	0.45	0.47	0.45	0.42	0.36	0.29	0.38	0.47	0.51	0.53	0.55	0.60	0.67
G 87.0	0.37	0.35	0.33	0.29	0.25	0.18	0.25	0.30	0.36	0.40	0.47	0.53	0.58
G 88.0	0.26	0.23	0.20	0.17	0.13	0.09	0.11	0.15	0.21	0.24	0.31	0.40	0.49
G 89.0	0.12	0.09	0.07	0.06	0.04	0.02	0.03	0.04	0.05	0.06	0.08	0.12	0.17
G 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 818641.237  
Name GLOBAL PAR 64W (HO)

**Measurem.**

Code CL2303/16-04I  
Name Global PAR

Luminaire Flux	8380.00 lm	Luminaire Power	64.00 W	Efficacy	130.94 lm/W	Efficiency	100.00%
Lamps Flux	8380.00 lm	Maximum value	804.07 cd/klm	Position	C=340.00 G=26.00	CG	Asymmetrical

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

	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 73.0	3.95	3.75	4.01	4.32	3.96	3.67	3.54	3.44	3.55	3.44
G 74.0	3.41	3.27	3.46	3.70	3.45	3.23	3.14	3.05	3.08	3.01
G 75.0	2.99	2.83	2.98	3.23	3.05	2.84	2.76	2.71	2.76	2.63
G 76.0	2.58	2.44	2.60	2.80	2.66	2.50	2.44	2.41	2.42	2.30
G 77.0	2.23	2.12	2.26	2.40	2.32	2.20	2.16	2.14	2.12	2.01
G 78.0	1.94	1.86	1.96	2.11	2.01	1.95	1.90	1.87	1.85	1.73
G 79.0	1.67	1.61	1.69	1.82	1.77	1.69	1.66	1.65	1.60	1.50
G 80.0	1.45	1.37	1.44	1.55	1.52	1.46	1.45	1.42	1.38	1.27
G 81.0	1.20	1.18	1.22	1.32	1.30	1.27	1.24	1.24	1.20	1.07
G 82.0	1.04	1.00	1.04	1.13	1.12	1.06	1.04	1.06	1.02	0.90
G 83.0	0.90	0.87	0.90	0.97	0.94	0.88	0.87	0.87	0.86	0.74
G 84.0	0.80	0.77	0.80	0.85	0.80	0.74	0.72	0.73	0.70	0.59
G 85.0	0.73	0.70	0.72	0.75	0.69	0.63	0.59	0.60	0.56	0.47
G 86.0	0.66	0.63	0.65	0.65	0.59	0.52	0.49	0.47	0.43	0.36
G 87.0	0.59	0.59	0.59	0.56	0.47	0.41	0.37	0.36	0.30	0.26
G 88.0	0.51	0.50	0.48	0.45	0.34	0.30	0.23	0.20	0.15	0.13
G 89.0	0.24	0.22	0.23	0.20	0.15	0.09	0.06	0.04	0.04	0.03
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00