



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS100LEDPG4HTVLOWT50120-277V_S.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] Photopia 2020.1.0 see: www.ltioptics.com/ies
 [ISSUEDATE]
 [TESTDATE] Mon Apr 12 16:45:06 2021
 [TEST] 1
 [MANUFAC] BEGHELLI
 [LUMCAT]
 [LUMINAIRE] BS100LEDPG4HTVLOWT50120-277V_S
 [LAMP] LED 0.915W DURIS S5 (150mA)
 [LAMPCAT] GW PSLRS1.PC-LRLT-5L7N-1
 [OTHER]

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4674
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	156
Total Luminaire Watts	30
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.92
Spacing Criterion (Diagonal)	1.74
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.21 ft
Luminous Width (90-270)	0.58 ft
Luminous Height	0.32 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3574	3351	4301
55	3333	3726	5196
65	2767	4240	5320
75	2065	4194	5032
85	1385	3610	4266

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : BS100LEDPG4HTVLOWT50120-277V_S.IES

CANDELA TABULATION

	<u>0</u>	<u>15</u>	<u>30</u>	<u>45</u>	<u>60</u>	<u>75</u>	<u>90</u>
0	792.96	792.96	792.96	792.96	792.96	792.96	792.96
5	798.18	804.89	806.13	857.39	861.85	856.15	846.25
10	774.80	806.52	847.07	882.35	929.42	937.54	945.61
15	788.44	807.26	882.19	933.03	971.54	991.95	993.88
20	779.25	812.32	891.95	956.43	983.95	999.12	991.96
25	763.47	809.13	876.90	942.68	958.17	976.67	987.72
30	729.75	792.01	863.81	896.06	928.24	950.37	957.37
35	706.07	760.12	828.19	855.26	899.07	936.84	948.73
40	669.96	723.81	785.52	819.32	868.69	942.47	978.13
45	618.52	677.06	725.34	778.78	884.60	1012.06	1074.47
50	555.16	601.09	673.44	778.16	939.65	1106.00	1166.62
55	482.02	524.64	624.77	795.09	1001.48	1159.40	1213.63
60	395.59	443.54	589.84	807.59	1018.32	1140.71	1176.82
65	309.44	365.46	552.48	796.64	969.67	1076.64	1118.21
70	233.82	297.80	507.83	733.73	883.94	978.45	1011.12
75	156.13	228.83	444.05	657.20	786.11	870.45	908.00
80	93.71	172.90	373.04	551.55	662.82	729.61	771.58
85	51.38	120.19	288.56	435.84	525.14	583.64	619.55
90	25.37	79.10	209.25	310.28	366.58	407.93	421.06
95	11.16	44.61	128.61	187.17	215.20	231.05	242.77
100	6.57	19.61	66.93	100.91	118.61	127.63	129.44
105	4.01	7.21	31.40	52.70	64.09	71.25	78.78
110	2.52	2.59	12.15	26.35	33.33	39.28	41.04
115	1.92	1.47	4.23	12.59	17.90	21.68	21.27
120	1.34	1.33	0.96	4.91	9.67	11.66	12.28
125	0.66	0.61	0.48	1.70	3.75	6.10	6.88
130	0.37	0.24	0.24	0.13	1.46	2.86	2.98
135	0.17	0.09	0.00	0.07	0.08	0.73	1.17
140	0.03	0.02	0.03	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS100LEDPG4HTVLOWT50120-277V_S.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	338.07	N.A.	7.20
0-30	755.76	N.A.	16.20
0-40	1290.58	N.A.	27.60
0-60	2663.00	N.A.	57.00
0-80	4012.74	N.A.	85.80
0-90	4426.05	N.A.	94.70
10-90	4345.34	N.A.	93.00
20-40	952.51	N.A.	20.40
20-50	1590.51	N.A.	34.00
40-70	2106.31	N.A.	45.10
60-80	1349.74	N.A.	28.90
70-80	615.85	N.A.	13.20
80-90	413.31	N.A.	8.80
90-110	232.36	N.A.	5.00
90-120	245.26	N.A.	5.20
90-130	248.08	N.A.	5.30
90-150	248.42	N.A.	5.30
90-180	248.42	N.A.	5.30
110-180	16.06	N.A.	0.30
0-180	4674.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	80.70
10-20	257.37
20-30	417.69
30-40	534.82
40-50	638.00
50-60	734.42
60-70	733.89
70-80	615.85
80-90	413.31
90-100	180.45
100-110	51.91
110-120	12.90
120-130	2.83
130-140	0.33
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : BS100LEDPG4HTVLOWT50120-277V_S.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	103	96	91	85	100	94	88	83	88	84	80	83	79	76	79	76	73	70
2	92	81	73	65	88	79	71	64	74	67	62	70	64	59	66	61	57	54
3	82	70	60	52	79	67	58	51	64	56	49	60	53	48	56	51	46	43
4	75	60	50	42	72	59	49	42	55	47	40	52	45	39	49	43	38	35
5	68	53	43	35	65	52	42	35	49	40	34	46	39	33	44	37	32	30
6	62	47	37	30	60	46	37	30	44	35	29	41	34	28	39	33	28	25
7	58	43	33	26	55	42	32	26	39	31	25	37	30	25	36	29	24	22
8	53	39	29	23	51	38	29	23	36	28	22	34	27	22	32	26	21	19
9	50	35	26	20	48	34	26	20	33	25	20	31	24	19	30	24	19	17
10	47	32	24	18	45	32	24	18	30	23	18	29	22	17	28	21	17	15

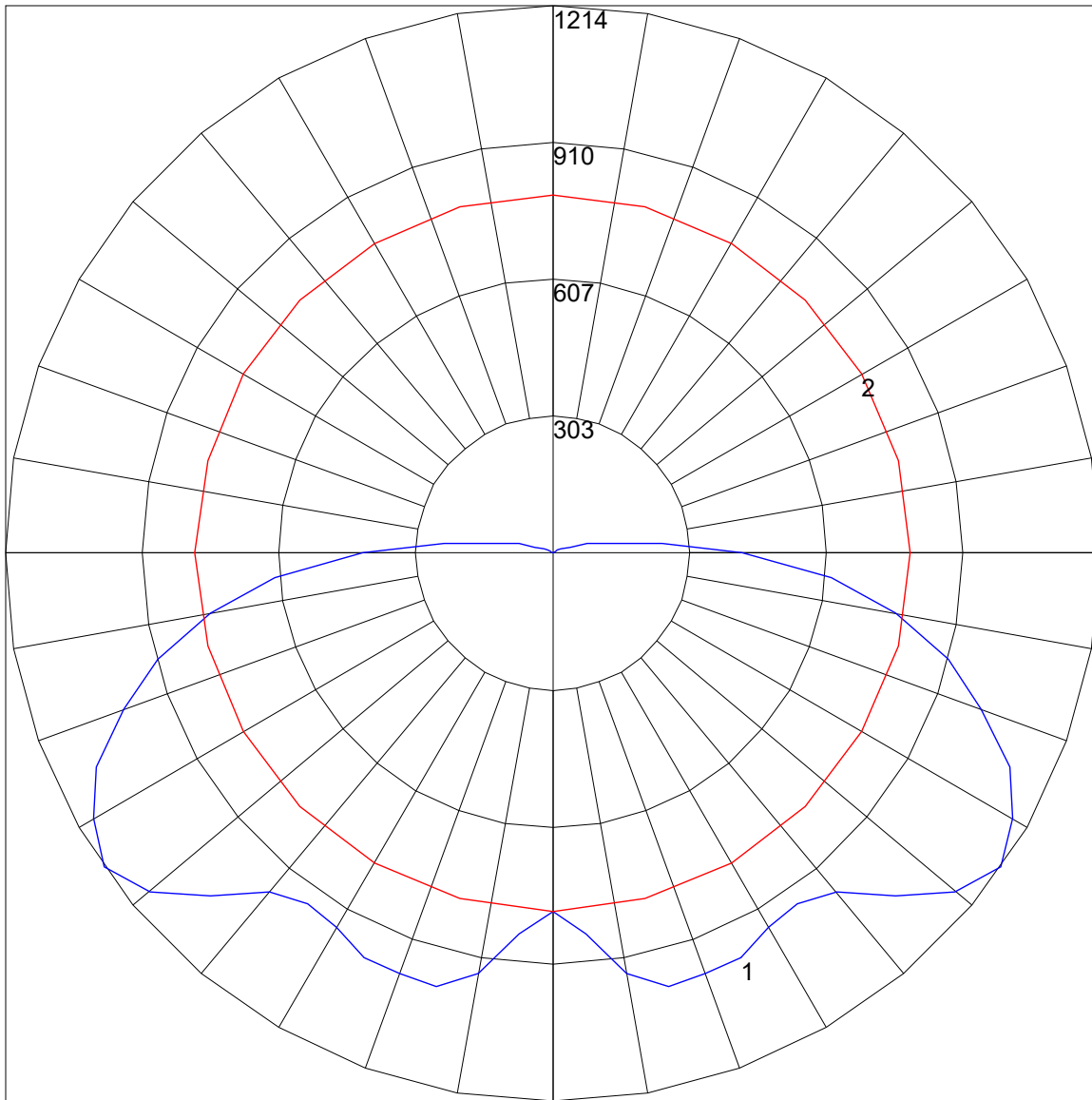
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS100LEDPG4HTVLOWT50120-277V_S.IES

UGR TABLE - CORRECTED

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	14.2	15.9	14.6	16.3	16.8	19.7	21.4	20.1	21.8	22.2
	3H	15.8	17.4	16.2	17.8	18.3	22.7	24.3	23.1	24.7	25.2
	4H	16.3	17.9	16.8	18.3	18.8	24.1	25.6	24.6	26.1	26.6
	6H	16.8	18.2	17.2	18.7	19.2	25.5	26.9	25.9	27.3	27.9
	8H	16.9	18.3	17.4	18.8	19.3	26.1	27.5	26.6	28.0	28.5
	12H	17.0	18.3	17.5	18.8	19.4	26.8	28.1	27.3	28.5	29.1
4H	2H	16.1	17.6	16.5	18.0	18.5	20.0	21.5	20.5	22.0	22.4
	3H	18.0	19.3	18.4	19.8	20.3	23.3	24.6	23.8	25.1	25.6
	4H	18.7	19.9	19.2	20.4	20.9	24.9	26.1	25.4	26.6	27.1
	6H	19.2	20.3	19.7	20.8	21.3	26.4	27.5	27.0	28.0	28.6
	8H	19.3	20.4	19.9	20.9	21.5	27.2	28.2	27.7	28.7	29.3
	12H	19.5	20.4	20.0	21.0	21.5	27.9	28.9	28.5	29.4	30.0
8H	4H	20.0	21.0	20.5	21.5	22.1	25.1	26.1	25.6	26.6	27.2
	6H	20.8	21.7	21.4	22.3	22.8	26.8	27.7	27.3	28.2	28.8
	8H	21.1	21.9	21.7	22.5	23.1	27.7	28.5	28.2	29.0	29.6
	12H	21.3	22.0	21.9	22.6	23.3	28.6	29.3	29.1	29.9	30.5
12H	4H	20.3	21.2	20.8	21.8	22.4	25.1	26.0	25.6	26.6	27.2
	6H	21.3	22.1	21.9	22.6	23.3	26.8	27.6	27.4	28.2	28.8
	8H	21.7	22.4	22.3	23.0	23.7	27.8	28.5	28.3	29.1	29.7

Maximum UGR = 30.5

POLAR GRAPH



Maximum Candela = 1213.63 Located At Horizontal Angle = 90, Vertical Angle = 55
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)