



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS100LEDPG4HTHOWT35120-277V_S.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] Photopia 2020.1.0 see: www.ltioptics.com/ies
 [ISSUEDATE]
 [TESTDATE] Fri Apr 16 12:59:22 2021
 [TEST] 1
 [MANUFAC] BEGHELLI
 [LUMCAT]
 [LUMINAIRE] BS100LEDPG4HTHOWT35120-277V_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	7695
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	60
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	5864	5528	7128
55	5418	6144	8538
65	4689	6966	8679
75	3348	6964	8219
85	2361	5950	6874

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : BS100LEDPG4HTHOWT35120-277V_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	1309.453	1309.453	1309.453	1309.453	1309.453	1309.453	1309.453
5	1306.334	1323.842	1360.136	1361.919	1411.316	1404.957	1431.327
10	1280.786	1355.723	1405.317	1474.760	1501.978	1543.054	1599.822
15	1290.539	1334.126	1435.201	1525.794	1589.786	1676.292	1640.469
20	1282.089	1333.963	1468.512	1574.840	1636.699	1637.358	1670.961
25	1257.176	1346.904	1479.653	1544.065	1589.735	1621.761	1621.615
30	1212.124	1306.839	1428.430	1504.326	1528.005	1573.538	1594.920
35	1165.846	1270.922	1366.752	1419.740	1479.773	1525.160	1575.800
40	1083.651	1192.156	1273.776	1345.481	1450.430	1551.907	1608.289
45	1014.748	1095.306	1188.959	1284.840	1472.823	1661.834	1780.632
50	904.803	982.833	1098.931	1276.073	1554.135	1798.740	1933.598
55	783.641	871.509	1016.830	1311.167	1649.314	1893.704	1994.128
60	658.159	732.041	963.054	1341.231	1657.892	1876.479	1971.631
65	524.330	601.031	908.789	1308.793	1593.206	1780.777	1824.270
70	374.955	484.222	834.581	1222.493	1463.019	1602.427	1661.860
75	253.081	377.200	735.417	1091.090	1277.941	1420.563	1483.193
80	156.454	283.658	613.483	910.631	1090.001	1205.225	1246.215
85	87.585	201.369	470.210	718.209	863.282	959.103	998.362
90	42.807	125.328	340.203	505.947	607.090	663.429	679.430
95	19.797	70.077	210.445	309.943	360.677	387.733	398.308
100	10.712	31.169	110.416	169.677	194.848	211.679	212.922
105	6.359	10.627	50.709	87.800	106.191	118.017	122.834
110	4.534	4.525	20.208	41.702	55.534	65.492	68.320
115	2.957	2.982	6.530	20.534	30.321	35.300	36.800
120	1.731	1.311	1.851	8.304	15.495	19.651	22.359
125	1.097	0.891	0.548	2.288	7.439	9.727	10.413
130	0.703	0.446	0.197	0.163	2.160	4.379	5.108
135	0.257	0.240	0.077	0.000	0.146	1.423	1.380
140	0.026	0.043	0.120	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS100LEDPG4HTHOWT35120-277V_S.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	557.96	N.A.	7.30
0-30	1249.93	N.A.	16.20
0-40	2132.93	N.A.	27.70
0-60	4387.71	N.A.	57.00
0-80	6607.75	N.A.	85.90
0-90	7285.55	N.A.	94.70
10-90	7152.42	N.A.	93.00
20-40	1574.97	N.A.	20.50
20-50	2623.41	N.A.	34.10
40-70	3463.25	N.A.	45.00
60-80	2220.04	N.A.	28.90
70-80	1011.58	N.A.	13.10
80-90	677.79	N.A.	8.80
90-110	382.46	N.A.	5.00
90-120	403.84	N.A.	5.20
90-130	408.47	N.A.	5.30
90-150	409.00	N.A.	5.30
90-180	409.00	N.A.	5.30
110-180	26.54	N.A.	0.30
0-180	7694.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	133.13
10-20	424.83
20-30	691.98
30-40	882.99
40-50	1048.45
50-60	1206.34
60-70	1208.46
70-80	1011.58
80-90	677.79
90-100	297.10
100-110	85.36
110-120	21.38
120-130	4.62
130-140	0.53
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : BS100LEDPG4HTHOWT35120-277V_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	80	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	57	51	46	43
4	75	61	50	42	72	59	49	42	55	47	41	52	45	39	49	43	38	36
5	68	53	43	35	65	52	42	35	49	41	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	33	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	22	17	15

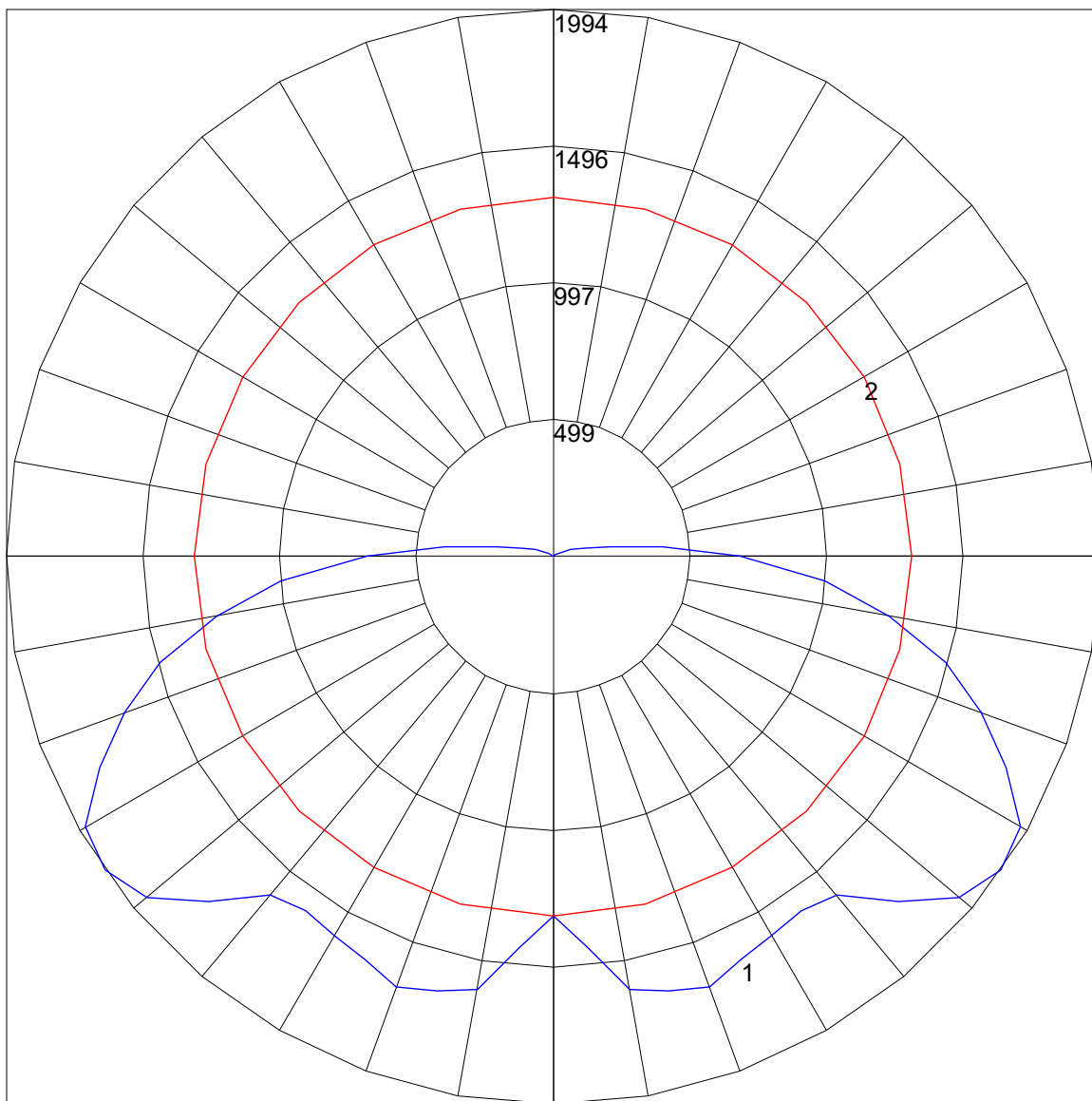
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS100LEDPG4HTHOWT35120-277V_S.IES

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	15.9	17.6	16.3	18.0	18.5	21.3	23.0	21.8	23.5	23.9
	3H	17.5	19.0	17.9	19.5	19.9	24.4	26.0	24.8	26.4	26.9
	4H	18.0	19.5	18.5	20.0	20.5	25.8	27.3	26.2	27.7	28.2
	6H	18.4	19.9	18.9	20.3	20.8	27.1	28.5	27.6	29.0	29.5
	8H	18.6	20.0	19.1	20.5	21.0	27.8	29.1	28.2	29.6	30.1
	12H	18.7	20.0	19.2	20.5	21.1	28.4	29.7	28.9	30.2	30.7
4H	2H	17.8	19.3	18.2	19.7	20.2	21.7	23.2	22.1	23.6	24.1
	3H	19.7	21.0	20.1	21.5	22.0	25.0	26.3	25.5	26.8	27.3
	4H	20.4	21.6	20.9	22.1	22.6	26.5	27.8	27.0	28.3	28.8
	6H	20.9	22.0	21.4	22.5	23.0	28.1	29.2	28.6	29.7	30.3
	8H	21.0	22.1	21.6	22.6	23.2	28.8	29.9	29.3	30.4	31.0
	12H	21.2	22.1	21.7	22.7	23.3	29.6	30.5	30.1	31.1	31.7
8H	4H	21.7	22.7	22.2	23.3	23.8	26.7	27.8	27.3	28.3	28.9
	6H	22.5	23.4	23.1	24.0	24.5	28.5	29.3	29.0	29.9	30.5
	8H	22.8	23.6	23.4	24.2	24.8	29.3	30.1	29.9	30.7	31.3
	12H	23.0	23.8	23.6	24.3	25.0	30.2	31.0	30.8	31.5	32.2
12H	4H	22.0	22.9	22.5	23.5	24.1	26.8	27.7	27.3	28.2	28.8
	6H	23.0	23.8	23.6	24.3	25.0	28.5	29.3	29.1	29.9	30.5
	8H	23.4	24.1	24.0	24.7	25.4	29.4	30.1	30.0	30.7	31.4

Maximum UGR = 32.2

POLAR GRAPH



Maximum Candela = 1994.128 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)