



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS100LEDPG4HTHOWT30120-277V\_S.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TESTLAB] Photopia 2020.1.0 see: [www.ltioptics.com/ies](http://www.ltioptics.com/ies)  
 [ISSUEDATE]  
 [TESTDATE] Fri Apr 16 12:53:54 2021  
 [TEST] 1  
 [MANUFAC] BEGHELLI  
 [LUMCAT]  
 [LUMINAIRE] BS100LEDPG4HTHOWT30120-277V\_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	7221
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	60
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.88
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	5501	5229	6571
55	5139	5780	7950
65	4410	6564	8233
75	3182	6486	7681
85	2185	5586	6435

IES INDOOR REPORT  
 PHOTOMETRIC FILENAME : BS100LEDPG4HTHOWT30120-277V\_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	1235.477	1235.477	1235.477	1235.477	1235.477	1235.477	1235.477
5	1247.903	1228.904	1269.286	1264.058	1330.253	1308.545	1314.175
10	1218.131	1246.541	1313.721	1363.521	1424.805	1465.144	1462.299
15	1192.421	1241.733	1350.246	1439.451	1515.107	1527.782	1562.422
20	1190.133	1264.006	1388.469	1463.507	1527.414	1554.581	1565.490
25	1162.580	1252.788	1368.149	1449.847	1491.917	1540.389	1522.435
30	1135.834	1224.619	1338.608	1381.818	1438.654	1469.609	1491.711
35	1084.731	1177.629	1284.472	1328.770	1378.005	1437.652	1467.818
40	1005.338	1108.949	1192.670	1254.339	1348.224	1449.041	1500.984
45	951.887	1026.840	1096.412	1215.157	1376.805	1557.915	1641.412
50	868.904	927.780	1026.892	1203.254	1457.268	1695.969	1790.564
55	743.285	808.245	963.774	1233.429	1554.469	1778.078	1856.690
60	617.708	689.962	914.865	1271.342	1583.110	1751.160	1835.505
65	493.118	570.419	858.268	1233.403	1511.268	1676.035	1730.660
70	348.688	455.264	784.781	1149.211	1373.360	1509.091	1573.898
75	240.586	353.127	695.610	1016.308	1209.073	1331.178	1386.052
80	147.875	262.910	575.904	856.383	1021.501	1137.145	1179.746
85	81.029	185.266	446.386	674.373	810.114	907.075	934.627
90	41.239	119.800	321.684	477.658	568.705	617.648	640.325
95	18.417	66.829	197.521	285.784	338.575	365.999	362.657
100	8.407	29.172	103.294	156.745	182.370	197.864	202.698
105	6.248	10.978	48.978	81.998	99.026	107.605	111.933
110	4.679	4.345	18.031	39.071	53.982	60.547	64.035
115	2.802	2.451	5.982	19.248	28.590	33.106	36.628
120	2.057	1.594	1.671	7.584	14.535	17.389	18.983
125	1.011	0.754	0.506	2.537	6.865	8.870	9.616
130	0.369	0.514	0.223	0.223	1.937	4.268	4.876
135	0.394	0.077	0.094	0.034	0.180	0.866	1.645
140	0.051	0.000	0.017	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 : BS100LEDPG4HTHOWT30120-277V\_S.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	522.55	N.A.	7.20
0-30	1170.48	N.A.	16.20
0-40	1995.1	N.A.	27.60
0-60	4110.14	N.A.	56.90
0-80	6201.03	N.A.	85.90
0-90	6838.3	N.A.	94.70
10-90	6713.81	N.A.	93.00
20-40	1472.55	N.A.	20.40
20-50	2453.14	N.A.	34.00
40-70	3255.23	N.A.	45.10
60-80	2090.89	N.A.	29.00
70-80	950.70	N.A.	13.20
80-90	637.28	N.A.	8.80
90-110	357.80	N.A.	5.00
90-120	377.86	N.A.	5.20
90-130	382.13	N.A.	5.30
90-150	382.61	N.A.	5.30
90-180	382.61	N.A.	5.30
110-180	24.80	N.A.	0.30
0-180	7220.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	124.49
10-20	398.06
20-30	647.93
30-40	824.62
40-50	980.59
50-60	1134.45
60-70	1140.19
70-80	950.70
80-90	637.28
90-100	278.14
100-110	79.66
110-120	20.06
120-130	4.27
130-140	0.48
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDPG4HTHOWT30120-277V\_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

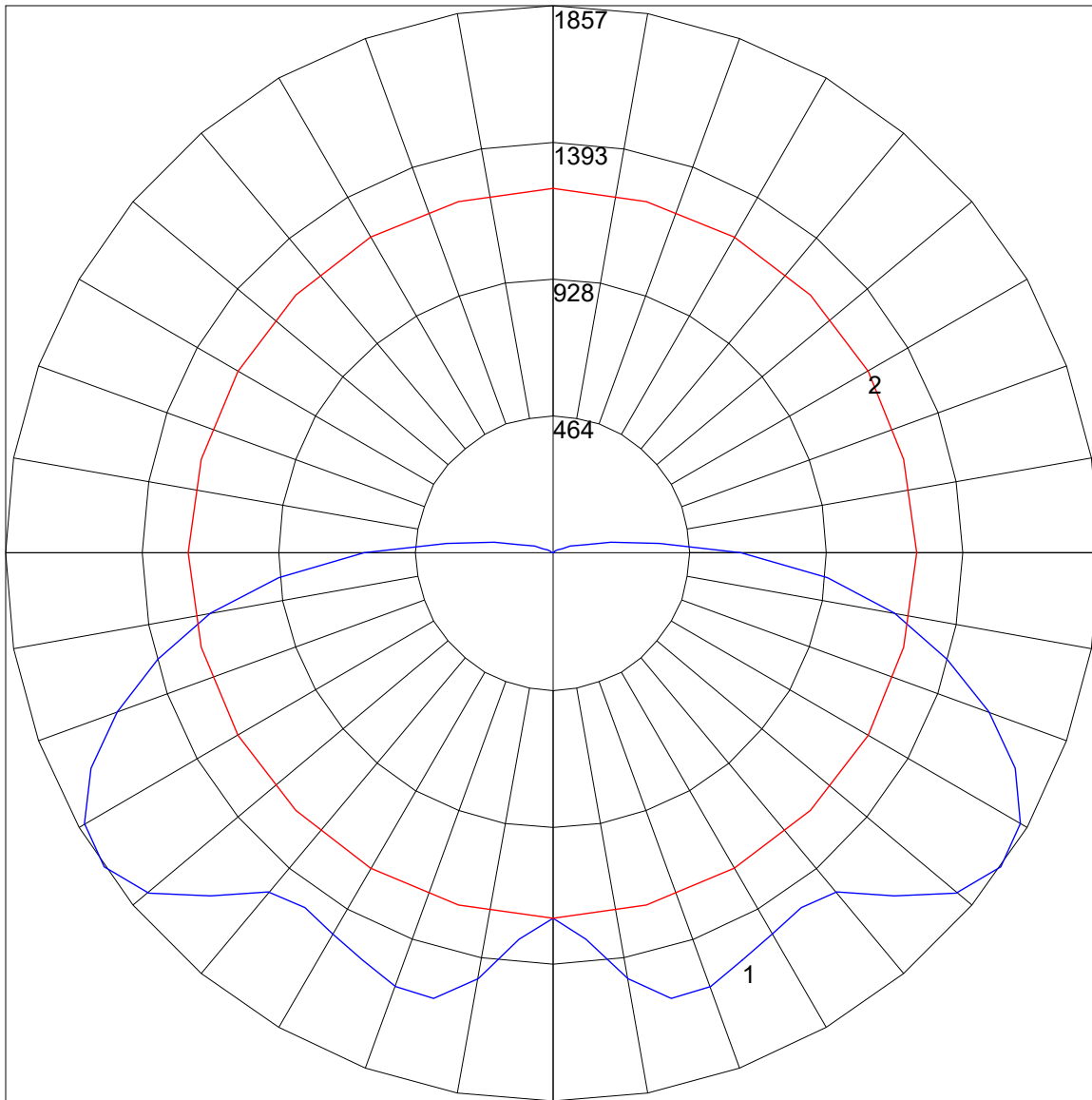
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDPG4HTHOWT30120-277V\_S.IES**

**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	15.7	17.4	16.1	17.9	18.3	21.1	22.8	21.6	23.3	23.7
	3H	17.3	18.9	17.7	19.3	19.8	24.2	25.8	24.6	26.2	26.7
	4H	17.8	19.4	18.3	19.8	20.3	25.6	27.1	26.1	27.5	28.0
	6H	18.3	19.7	18.7	20.1	20.6	26.9	28.4	27.4	28.8	29.3
	8H	18.4	19.8	18.9	20.3	20.8	27.6	28.9	28.1	29.4	29.9
	12H	18.5	19.8	19.0	20.3	20.9	28.2	29.5	28.7	30.0	30.5
4H	2H	17.6	19.1	18.1	19.6	20.0	21.5	23.0	21.9	23.4	23.9
	3H	19.5	20.8	20.0	21.3	21.8	24.8	26.1	25.3	26.6	27.1
	4H	20.2	21.4	20.7	21.9	22.5	26.4	27.6	26.9	28.1	28.6
	6H	20.7	21.8	21.2	22.3	22.9	27.9	29.0	28.4	29.5	30.1
	8H	20.8	21.9	21.4	22.4	23.0	28.6	29.7	29.2	30.2	30.8
	12H	21.0	21.9	21.5	22.5	23.1	29.4	30.3	30.0	30.9	31.5
8H	4H	21.5	22.5	22.0	23.1	23.6	26.5	27.6	27.1	28.1	28.7
	6H	22.3	23.2	22.9	23.8	24.3	28.3	29.2	28.8	29.7	30.3
	8H	22.6	23.4	23.2	24.0	24.6	29.1	29.9	29.7	30.5	31.1
	12H	22.8	23.6	23.4	24.1	24.8	30.1	30.8	30.6	31.4	32.0
12H	4H	21.8	22.7	22.3	23.3	23.9	26.6	27.5	27.1	28.1	28.6
	6H	22.8	23.6	23.4	24.1	24.8	28.3	29.1	28.9	29.7	30.3
	8H	23.2	23.9	23.8	24.5	25.2	29.2	30.0	29.8	30.5	31.2

Maximum UGR = 32.0

POLAR GRAPH



Maximum Candela = 1856.69 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)