



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS100LEDPG4HTLOWT35120-277V_S.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] Photopia 2020.1.0 see: www.ltioptics.com/ies
 [ISSUE DATE]
 [TEST DATE] Tue Apr 13 09:16:15 2021
 [TEST] 1
 [MANUFACTURER] BEGHELLI
 [LUMEN CATEGORY]
 [LUMINAIRE] BS100LEDPG4HTMOWT35120-277V_S
 [LAMP] LED 0.915W DURIS S5 (150mA)
 [LAMP CATEGORY] GW PSLRS1.PC-LRLT-5L7N-1
 [OTHER]

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5548
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	40
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	1.84
Spacing Criterion (Diagonal)	1.70
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	4199	4008	5123
55	3941	4452	6133
65	3290	5044	6319
75	2422	5001	5891
85	1684	4277	4969

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CANDELA TABULATION

	0	15	30	45	60	75	90
0	982.384	982.384	982.384	982.384	982.384	982.384	982.384
5	941.536	932.600	952.992	1010.000	1017.488	1020.504	985.304
10	929.416	957.016	997.192	1048.256	1093.776	1112.320	1129.344
15	933.520	960.232	1025.752	1101.240	1141.576	1172.432	1192.112
20	928.168	954.544	1052.408	1116.584	1167.832	1184.712	1207.256
25	902.512	961.128	1052.144	1109.416	1130.288	1167.088	1177.192
30	864.200	933.168	1018.944	1063.984	1095.032	1140.560	1146.416
35	836.696	902.312	978.192	1016.808	1058.360	1105.176	1150.976
40	778.296	854.368	918.600	960.944	1035.152	1119.072	1171.584
45	726.592	799.024	855.192	931.472	1053.896	1202.392	1279.664
50	660.504	715.176	792.808	933.448	1124.768	1312.944	1392.448
55	570.016	626.976	745.832	950.032	1180.000	1355.568	1432.472
60	474.712	531.256	713.808	976.000	1193.960	1351.768	1410.536
65	367.816	438.512	656.928	947.656	1153.064	1271.120	1328.256
70	265.992	347.392	604.776	887.032	1059.872	1156.248	1206.216
75	183.104	269.952	536.824	783.552	927.648	1014.592	1063.136
80	111.888	201.928	444.400	654.000	789.568	872.384	916.152
85	62.448	144.240	346.416	516.264	631.344	687.960	721.680
90	31.664	93.040	244.360	369.192	436.200	478.608	493.296
95	14.008	52.040	152.048	222.576	261.656	279.208	284.016
100	7.512	23.128	82.072	120.560	139.568	153.136	153.248
105	4.696	8.400	36.712	61.928	78.496	85.400	87.184
110	2.760	3.056	14.888	30.824	41.512	46.096	51.216
115	2.088	1.984	4.640	14.184	20.912	25.952	25.104
120	1.528	1.480	1.184	6.472	10.208	14.344	15.864
125	1.024	0.760	0.456	1.768	5.648	6.584	5.576
130	0.560	0.304	0.240	0.232	1.312	3.064	3.744
135	0.144	0.224	0.024	0.040	0.080	0.968	0.928
140	0.128	0.040	0.016	0.016	0.000	0.000	0.000
145	0.056	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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	400.09	N.A.	7.20
0-30	895.63	N.A.	16.10
0-40	1529.19	N.A.	27.60
0-60	3158.29	N.A.	56.90
0-80	4761.61	N.A.	85.80
0-90	5252.17	N.A.	94.70
10-90	5156.32	N.A.	92.90
20-40	1129.09	N.A.	20.40
20-50	1886.14	N.A.	34.00
40-70	2502.3	N.A.	45.10
60-80	1603.33	N.A.	28.90
70-80	730.12	N.A.	13.20
80-90	490.55	N.A.	8.80
90-110	276.37	N.A.	5.00
90-120	291.70	N.A.	5.30
90-130	294.98	N.A.	5.30
90-150	295.36	N.A.	5.30
90-180	295.36	N.A.	5.30
110-180	18.99	N.A.	0.30
0-180	5547.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	95.84
10-20	304.25
20-30	495.53
30-40	633.56
40-50	757.05
50-60	872.05
60-70	873.20
70-80	730.12
80-90	490.55
90-100	214.61
100-110	61.76
110-120	15.33
120-130	3.28
130-140	0.37
140-150	0.01
150-160	0.00
160-170	0.00
170-180	0.00

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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	90	85	100	94	88	83	88	84	80	83	79	76	79	76	73	70
2	92	81	72	65	88	79	71	64	74	67	62	70	64	59	66	61	57	54
3	82	70	60	52	79	67	58	51	63	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

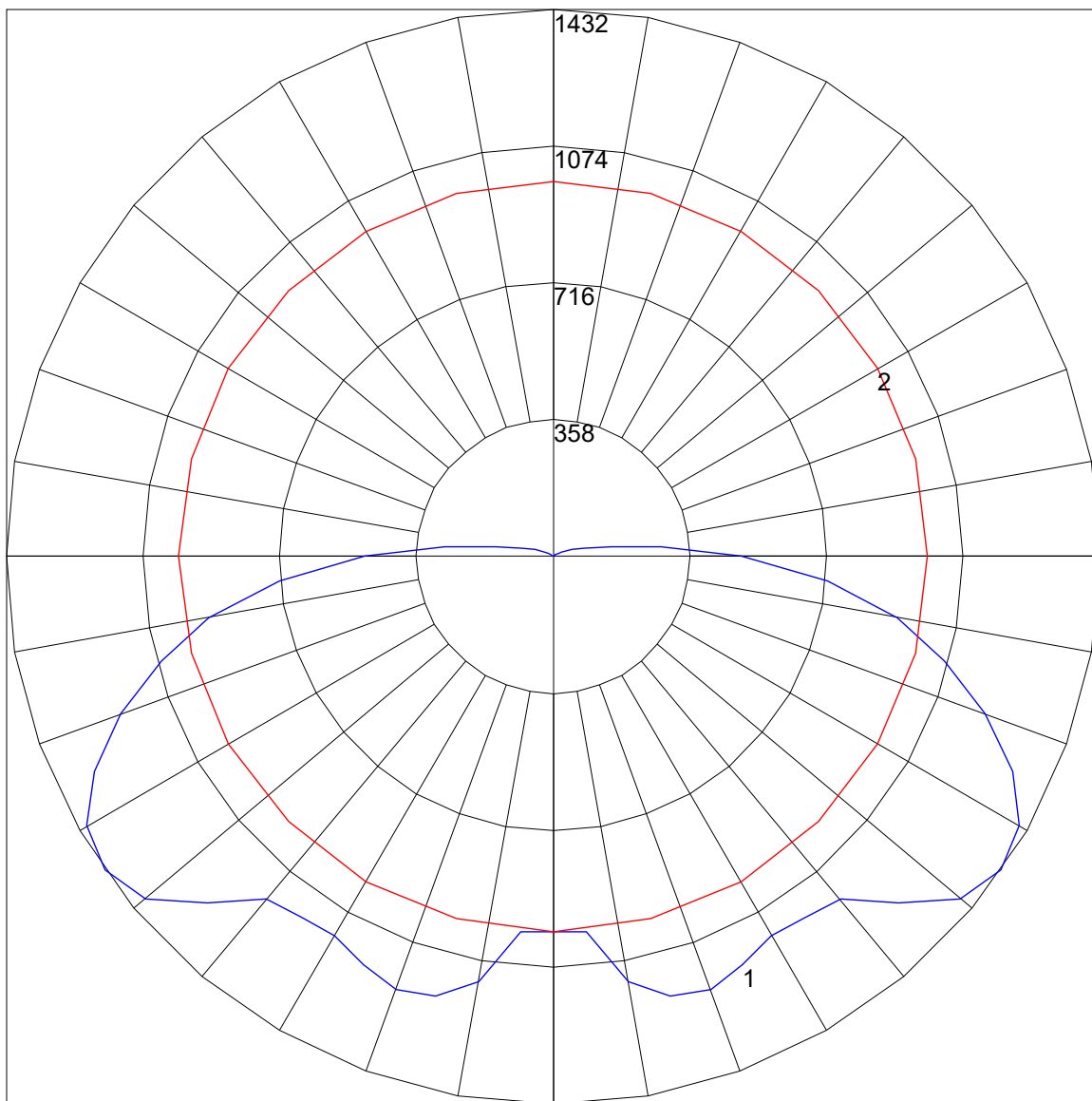
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UGR TABLE - CORRECTED

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	14.9	16.6	15.3	17.0	17.4	20.2	21.9	20.6	22.3	22.8
	3H	16.4	18.0	16.8	18.4	18.9	23.3	24.9	23.7	25.3	25.8
	4H	16.9	18.5	17.4	18.9	19.4	24.7	26.2	25.1	26.6	27.1
	6H	17.4	18.8	17.8	19.2	19.7	26.0	27.4	26.5	27.9	28.4
	8H	17.5	18.9	18.0	19.4	19.9	26.7	28.0	27.2	28.5	29.0
	12H	17.6	18.9	18.1	19.4	20.0	27.3	28.6	27.8	29.1	29.6
4H	2H	16.7	18.2	17.2	18.7	19.2	20.5	22.1	21.0	22.5	23.0
	3H	18.6	19.9	19.1	20.4	20.9	23.9	25.2	24.4	25.7	26.2
	4H	19.3	20.5	19.8	21.0	21.6	25.4	26.6	25.9	27.1	27.7
	6H	19.8	20.9	20.3	21.4	22.0	27.0	28.1	27.5	28.6	29.2
	8H	19.9	21.0	20.5	21.5	22.1	27.7	28.8	28.3	29.3	29.9
	12H	20.1	21.0	20.6	21.6	22.2	28.5	29.4	29.0	30.0	30.6
8H	4H	20.6	21.6	21.1	22.2	22.7	25.6	26.7	26.1	27.2	27.8
	6H	21.4	22.3	22.0	22.9	23.5	27.4	28.2	27.9	28.8	29.4
	8H	21.7	22.5	22.3	23.1	23.7	28.2	29.0	28.8	29.6	30.2
	12H	21.9	22.7	22.5	23.2	23.9	29.1	29.9	29.7	30.4	31.1
12H	4H	20.9	21.9	21.5	22.4	23.0	25.6	26.6	26.2	27.1	27.7
	6H	21.9	22.7	22.5	23.2	23.9	27.4	28.2	28.0	28.8	29.4
	8H	22.3	23.0	22.9	23.6	24.3	28.3	29.1	28.9	29.6	30.3

Maximum UGR = 31.1

POLAR GRAPH



Maximum Candela = 1432.472 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)