



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS100LEDPG4SAWT40120-277V_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 15:05:42 2021
 [TEST] 1
 [MANUFACTURER] BEGHELLI
 [LUMEN CATEGORY]
 [LUMINAIRE] BS100LEDPG4SAWT40120-277V_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	1474
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.90
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	1111	1063	1345
55	1034	1183	1627
65	881	1347	1656
75	645	1319	1559
85	443	1130	1312

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CANDELA TABULATION

	0	15	30	45	60	75	90
0	252.14	252.14	252.14	252.14	252.14	252.14	252.14
5	249.28	252.73	255.76	260.52	264.05	275.08	270.32
10	252.53	255.20	268.56	278.08	289.67	297.47	293.53
15	243.09	261.65	273.35	296.76	306.41	309.96	320.17
20	244.87	255.91	282.63	300.53	310.46	315.79	315.62
25	237.03	254.26	284.35	295.32	302.59	306.79	313.47
30	230.05	248.29	275.05	286.59	291.70	300.75	302.40
35	224.34	242.54	262.98	270.72	281.92	293.63	297.38
40	209.85	227.57	244.92	257.58	273.70	295.94	308.15
45	192.24	212.43	229.33	247.01	279.20	318.34	336.11
50	173.79	189.19	213.12	246.57	296.69	343.62	368.64
55	149.55	167.27	198.10	252.45	315.18	363.13	379.97
60	125.77	141.31	186.05	256.10	319.19	358.04	375.96
65	98.48	115.17	175.06	253.18	306.56	336.73	348.09
70	71.27	93.92	160.45	235.22	281.72	308.30	320.17
75	48.78	72.15	142.06	206.66	247.70	272.40	281.41
80	29.46	53.98	117.49	174.24	208.03	231.78	239.59
85	16.45	38.60	90.89	136.45	167.31	184.42	190.54
90	8.53	23.80	64.75	97.78	116.24	127.67	131.01
95	3.66	13.92	39.89	58.82	69.51	73.96	75.80
100	1.84	6.13	21.10	32.04	37.95	40.23	41.29
105	1.21	2.21	10.10	16.40	20.41	22.96	23.30
110	0.99	0.86	4.05	8.49	10.96	12.08	13.27
115	0.55	0.52	1.35	4.00	5.73	7.21	6.84
120	0.33	0.31	0.37	1.58	3.03	4.01	3.69
125	0.22	0.14	0.13	0.42	1.30	1.92	2.10
130	0.16	0.09	0.06	0.07	0.39	0.93	1.01
135	0.03	0.03	0.02	0.01	0.04	0.20	0.26
140	0.02	0.01	0.01	0.01	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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	106.66	N.A.	7.20
0-30	238.66	N.A.	16.20
0-40	407.38	N.A.	27.60
0-60	839.57	N.A.	57.00
0-80	1265.36	N.A.	85.90
0-90	1395.42	N.A.	94.70
10-90	1370.02	N.A.	93.00
20-40	300.71	N.A.	20.40
20-50	501.43	N.A.	34.00
40-70	663.89	N.A.	45.00
60-80	425.79	N.A.	28.90
70-80	194.10	N.A.	13.20
80-90	130.05	N.A.	8.80
90-110	73.34	N.A.	5.00
90-120	77.50	N.A.	5.30
90-130	78.39	N.A.	5.30
90-150	78.49	N.A.	5.30
90-180	78.49	N.A.	5.30
110-180	5.15	N.A.	0.30
0-180	1473.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	25.40
10-20	81.27
20-30	132.00
30-40	168.72
40-50	200.72
50-60	231.48
60-70	231.70
70-80	194.10
80-90	130.05
90-100	56.92
100-110	16.42
110-120	4.16
120-130	0.89
130-140	0.10
140-150	0.00
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	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

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UGR TABLE - CORRECTED

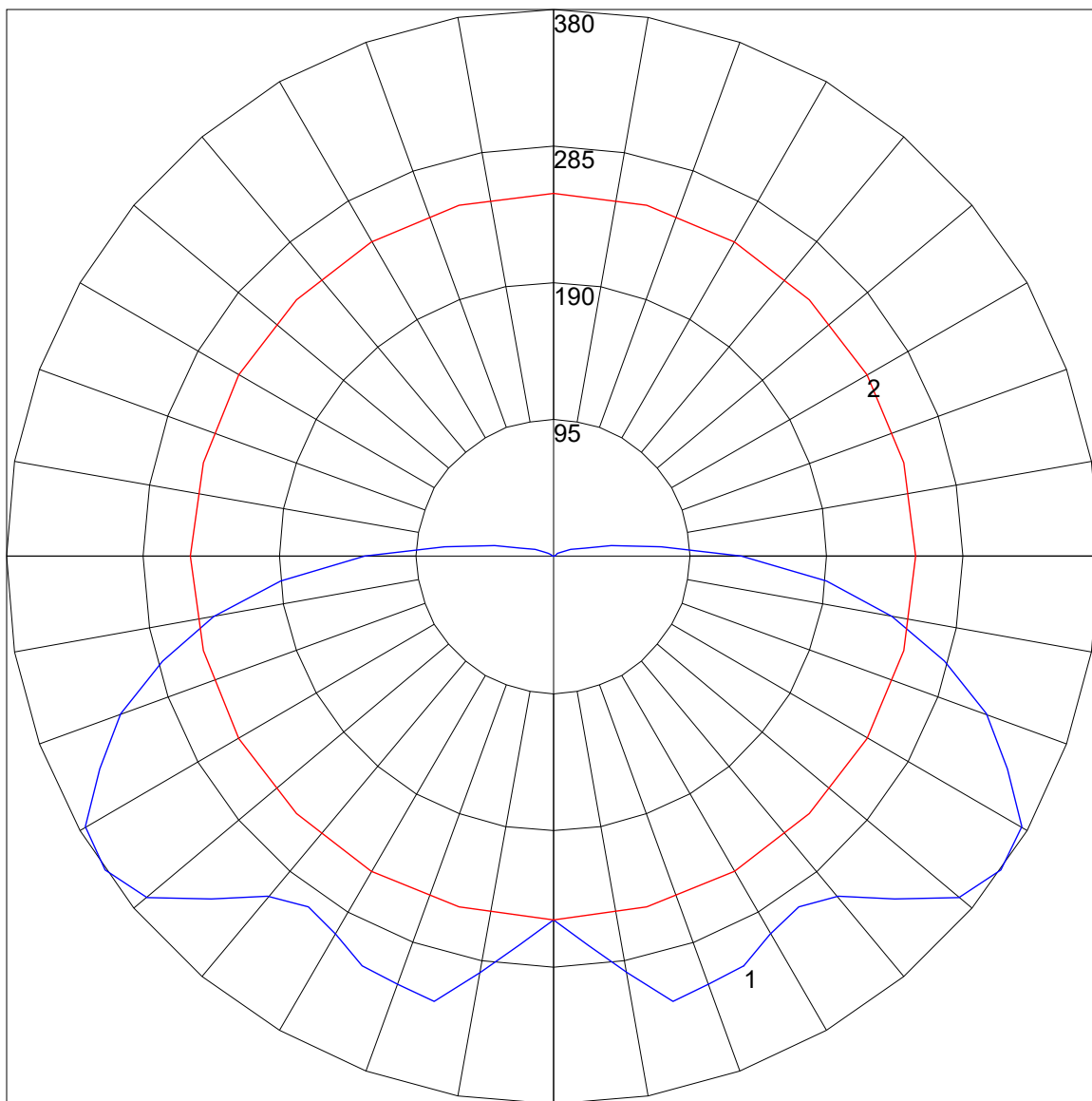
Reflectances

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	10.2	11.9	10.6	12.3	12.7	15.5	17.2	16.0	17.7	18.1
	3H	11.7	13.3	12.1	13.7	14.2	18.6	20.2	19.0	20.6	21.1
	4H	12.3	13.8	12.7	14.2	14.7	20.0	21.5	20.4	21.9	22.4
	6H	12.7	14.1	13.2	14.6	15.1	21.3	22.7	21.8	23.2	23.7
	8H	12.8	14.2	13.3	14.7	15.2	22.0	23.3	22.4	23.8	24.3
	12H	12.9	14.3	13.4	14.7	15.3	22.6	23.9	23.1	24.4	24.9
4H	2H	12.0	13.5	12.5	14.0	14.5	15.9	17.4	16.3	17.8	18.3
	3H	13.9	15.2	14.4	15.7	16.2	19.2	20.5	19.7	21.0	21.5
	4H	14.6	15.8	15.1	16.3	16.9	20.7	22.0	21.2	22.5	23.0
	6H	15.1	16.2	15.6	16.7	17.3	22.3	23.4	22.8	23.9	24.5
	8H	15.3	16.3	15.8	16.8	17.4	23.0	24.1	23.6	24.6	25.2
	12H	15.4	16.3	15.9	16.9	17.5	23.8	24.7	24.3	25.3	25.9
8H	4H	15.9	16.9	16.4	17.5	18.0	20.9	22.0	21.5	22.5	23.1
	6H	16.7	17.6	17.3	18.2	18.8	22.7	23.5	23.2	24.1	24.7
	8H	17.0	17.8	17.6	18.4	19.0	23.5	24.3	24.1	24.9	25.5
	12H	17.2	18.0	17.8	18.5	19.2	24.4	25.2	25.0	25.7	26.4
12H	4H	16.2	17.2	16.8	17.7	18.3	21.0	21.9	21.5	22.5	23.0
	6H	17.2	18.0	17.8	18.5	19.2	22.7	23.5	23.3	24.1	24.7
	8H	17.6	18.3	18.2	18.9	19.6	23.6	24.4	24.2	24.9	25.6

Maximum UGR = 26.4

POLAR GRAPH



Maximum Candela = 379.97 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)