

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-8-PS3-3C-M-90W-40K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] STD230611NB-D-PL

[TESTLAB] STANDARD-TECH TESTING SERVICE

[TESTDATE] 15 August 2022

[ISSUEDATE] 2023-06-12 09:39:34

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] BELUCE

[LUMCAT] BS3C-8-PS3-3C-M-90W-40K

[LUMINAIRE] BS3C-8-PS3-3C-M-90W-40K

[LAMP] 13824 LUMENS

[_SEARCH_SOURCE] LED

[_SEARCH_APPLICATION] Indoor, Outdoor, Commercial, Garage, Parking, Residential, Damp Location, Wet Location

[_SEARCH_MOUNTING] Cable, Suspended

[_SEARCH_CERTIFICATION] CSA

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	13824
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	154
Total Luminaire Watts	90
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.37 m
Luminous Width (90-270)	0.10 m
Luminous Height	0.03 m

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14962	13371	13486
55	13890	12353	12732
65	12531	11384	11947
75	10367	10537	11165
85	6846	10172	10917

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	4122.527	4122.527	4122.527	4122.527	4122.527
5	4101.449	4098.516	4100.716	4100.716	4098.699
10	4038.948	4031.983	4048.662	4047.379	4045.362
15	3930.623	3928.058	3947.303	3961.966	3964.166
20	3777.762	3783.627	3812.586	3841.912	3850.711
25	3581.642	3599.605	3646.710	3693.449	3707.928
30	3359.313	3383.508	3453.157	3518.224	3545.718
35	3106.008	3138.267	3230.462	3327.237	3364.078
40	2830.343	2876.164	2991.087	3118.106	3162.828
45	2540.197	2590.601	2737.416	2890.461	2939.216
50	2237.038	2297.706	2480.627	2657.868	2712.488
55	1923.063	1998.212	2210.460	2410.611	2473.296
60	1607.973	1701.725	1943.775	2154.924	2222.008
65	1289.729	1407.693	1681.563	1900.519	1967.237
70	973.354	1128.526	1424.244	1641.917	1707.223
75	666.218	870.438	1180.140	1381.446	1452.250
80	386.188	638.835	943.404	1147.075	1211.317
85	161.942	442.074	741.347	932.920	999.143
90	55.765	301.033	581.959	758.063	821.335
95	48.008	207.263	456.920	618.654	671.770
100	42.960	134.593	353.637	502.687	552.084
105	38.994	79.884	263.605	398.708	444.969
110	34.072	45.294	186.185	306.038	348.212
115	30.426	33.085	119.829	223.667	262.120
120	26.621	29.600	68.267	151.223	184.480
125	22.211	26.603	33.226	91.364	116.133
130	18.716	23.445	23.062	45.511	62.586
135	16.169	20.908	20.531	22.151	24.614
140	14.428	18.688	18.930	20.377	17.436
145	13.311	16.942	18.291	18.789	15.980
150	12.517	16.149	17.022	17.509	15.196
155	12.518	15.831	16.700	16.712	13.275
160	14.259	16.621	16.700	16.553	13.435
165	16.168	17.414	16.702	16.394	14.076
170	17.735	19.143	17.178	16.236	14.076
175	18.382	19.948	17.178	15.280	14.076
180	17.000	17.000	17.000	17.000	17.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1502.94	N.A.	10.90
0-30	3183.53	N.A.	23.00
0-40	5207.02	N.A.	37.70
0-60	9296.57	N.A.	67.20
0-80	12128.63	N.A.	87.70
0-90	12878.46	N.A.	93.20
10-90	12488.88	N.A.	90.30
20-40	3704.08	N.A.	26.80
20-50	5820.2	N.A.	42.10
40-70	5730.00	N.A.	41.40
60-80	2832.07	N.A.	20.50
70-80	1191.61	N.A.	8.60
80-90	749.83	N.A.	5.40
90-110	717.87	N.A.	5.20
90-120	850.42	N.A.	6.20
90-130	902.84	N.A.	6.50
90-150	931.94	N.A.	6.70
90-180	945.54	N.A.	6.80
110-180	227.67	N.A.	1.60
0-180	13824.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	389.58
10-20	1113.36
20-30	1680.59
30-40	2023.49
40-50	2116.12
50-60	1973.43
60-70	1640.46
70-80	1191.61
80-90	749.83
90-100	453.92
100-110	263.95
110-120	132.55
120-130	52.42
130-140	18.25
140-150	10.85
150-160	7.31
160-170	4.65
170-180	1.63

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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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	105	100	95	90	102	97	92	88	91	88	84	86	83	80	81	79	77	74
2	95	86	79	72	92	84	77	71	79	73	68	75	70	66	71	67	63	61
3	86	75	66	60	83	73	65	59	69	62	57	65	60	55	62	57	53	50
4	79	66	57	50	76	65	56	49	61	54	48	58	52	47	55	50	45	43
5	73	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	25
9	54	40	32	26	52	39	31	26	38	30	25	36	30	25	35	29	24	23
10	50	37	29	24	49	36	29	23	35	28	23	33	27	23	32	26	22	20

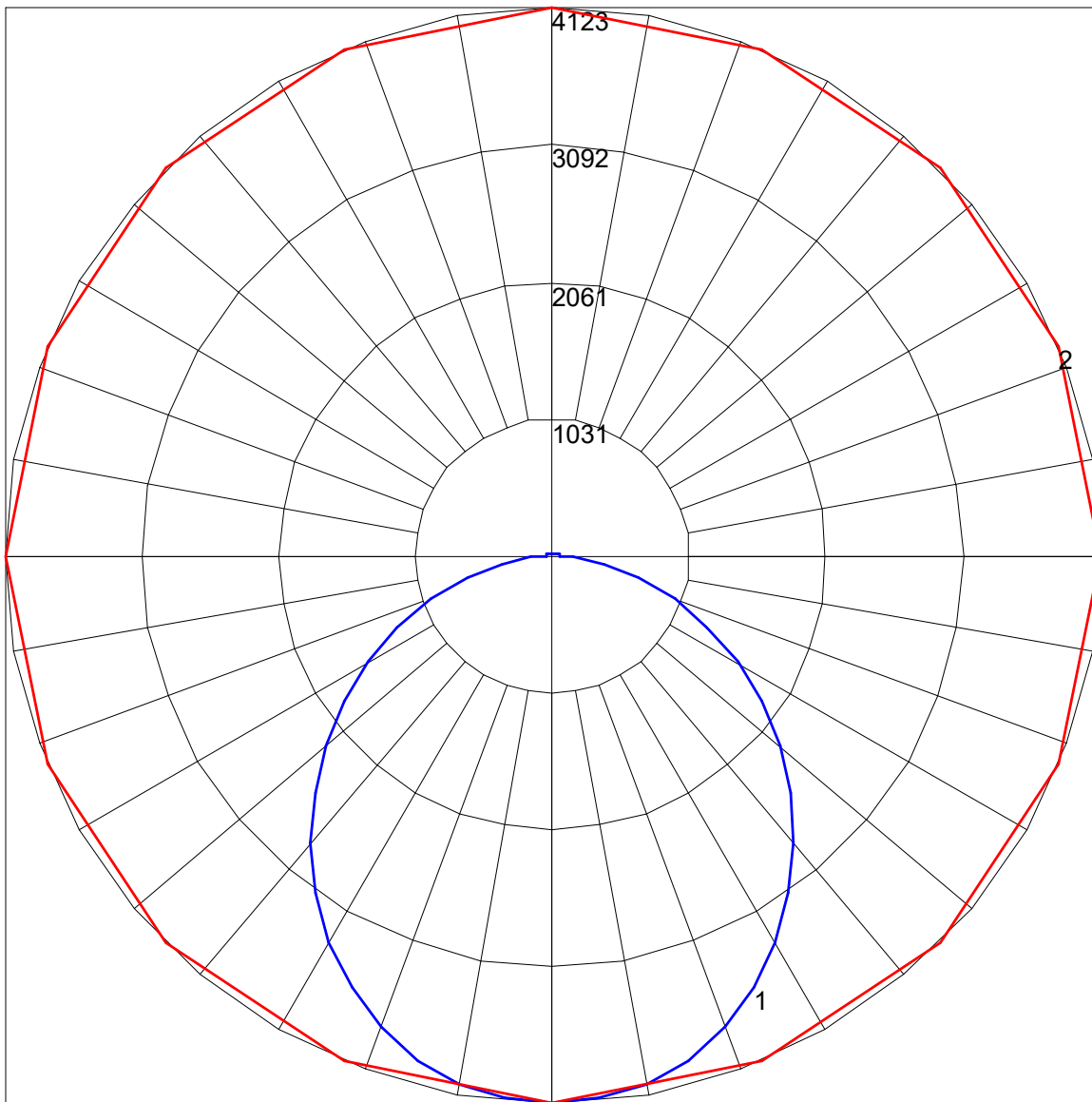
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UGR TABLE - CORRECTED

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	19.0	20.6	19.5	21.0	21.5	21.4	22.9	21.8	23.4	23.8
	3H	20.6	22.0	21.0	22.4	23.0	23.8	25.2	24.3	25.7	26.2
	4H	21.1	22.4	21.6	22.9	23.4	25.0	26.3	25.5	26.8	27.3
	6H	21.4	22.6	21.9	23.1	23.7	26.2	27.4	26.7	27.9	28.5
	8H	21.5	22.7	22.0	23.2	23.7	26.8	28.0	27.4	28.5	29.1
	12H	21.5	22.6	22.0	23.2	23.8	27.5	28.7	28.0	29.2	29.8
4H	2H	20.0	21.3	20.5	21.8	22.3	21.8	23.1	22.3	23.6	24.2
	3H	21.8	22.9	22.3	23.4	24.0	24.5	25.6	25.0	26.2	26.7
	4H	22.4	23.4	22.9	24.0	24.6	25.8	26.9	26.4	27.4	28.0
	6H	22.9	23.8	23.4	24.3	25.0	27.2	28.1	27.8	28.7	29.3
	8H	23.0	23.9	23.6	24.4	25.0	28.0	28.8	28.5	29.4	30.0
	12H	23.1	23.9	23.7	24.4	25.1	28.8	29.6	29.4	30.2	30.8
8H	4H	23.2	24.0	23.7	24.6	25.2	26.1	26.9	26.6	27.5	28.1
	6H	23.8	24.5	24.4	25.1	25.8	27.6	28.4	28.2	29.0	29.6
	8H	24.0	24.7	24.7	25.3	26.0	28.5	29.2	29.1	29.8	30.4
	12H	24.2	24.8	24.8	25.4	26.1	29.5	30.1	30.1	30.7	31.4
12H	4H	23.4	24.1	23.9	24.7	25.4	26.1	26.9	26.7	27.5	28.1
	6H	24.1	24.8	24.7	25.4	26.1	27.7	28.4	28.3	28.9	29.6
	8H	24.5	25.0	25.1	25.7	26.4	28.6	29.2	29.2	29.8	30.5

Maximum UGR = 31.4

POLAR GRAPH



Maximum Candela = 4122.527 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)