

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-8-PS3-3C-M-90W-50K.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-50K

[LUMINAIRE] BS3C-8-PS3-3C-M-90W-50K

[LAMP] 13755 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	13755
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	153
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	14887	13305	13419
55	13820	12292	12668
65	12469	11328	11887
75	10315	10485	11109
85	6812	10121	10862

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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	4102.027	4102.027	4102.027	4102.027	4102.027
5	4081.053	4078.136	4080.324	4080.324	4078.318
10	4018.864	4011.933	4028.529	4027.252	4025.246
15	3911.077	3908.525	3927.674	3942.264	3944.453
20	3758.976	3764.812	3793.628	3822.808	3831.562
25	3563.831	3581.705	3628.576	3675.083	3689.489
30	3342.608	3366.683	3435.986	3500.729	3528.086
35	3090.563	3122.661	3214.398	3310.692	3347.350
40	2816.268	2861.862	2976.213	3102.600	3147.101
45	2527.565	2577.719	2723.803	2876.088	2924.600
50	2225.914	2286.280	2468.292	2644.651	2699.000
55	1913.500	1988.276	2199.468	2398.624	2460.997
60	1599.977	1693.263	1934.110	2144.208	2210.959
65	1283.315	1400.693	1673.201	1891.068	1957.454
70	968.514	1122.914	1417.162	1633.753	1698.734
75	662.905	866.109	1174.272	1374.577	1445.029
80	384.268	635.658	938.713	1141.371	1205.293
85	161.137	439.876	737.660	928.281	994.175
90	55.488	299.536	579.065	754.294	817.250
95	47.769	206.232	454.648	615.578	668.430
100	42.747	133.924	351.878	500.187	549.338
105	38.800	79.487	262.294	396.725	442.757
110	33.903	45.069	185.259	304.516	346.480
115	30.274	32.920	119.233	222.555	260.817
120	26.489	29.452	67.928	150.471	183.563
125	22.100	26.470	33.061	90.910	115.556
130	18.623	23.328	22.947	45.285	62.275
135	16.088	20.804	20.429	22.041	24.491
140	14.356	18.595	18.836	20.275	17.349
145	13.245	16.858	18.200	18.696	15.901
150	12.455	16.068	16.937	17.422	15.121
155	12.456	15.752	16.617	16.629	13.209
160	14.188	16.539	16.617	16.471	13.368
165	16.087	17.327	16.619	16.313	14.006
170	17.647	19.047	17.092	16.155	14.006
175	18.291	19.849	17.092	15.204	14.006
180	17.000	17.000	17.000	17.000	17.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1495.47	N.A.	10.90
0-30	3167.7	N.A.	23.00
0-40	5181.13	N.A.	37.70
0-60	9250.34	N.A.	67.20
0-80	12068.32	N.A.	87.70
0-90	12814.42	N.A.	93.20
10-90	12426.77	N.A.	90.30
20-40	3685.66	N.A.	26.80
20-50	5791.26	N.A.	42.10
40-70	5701.51	N.A.	41.40
60-80	2817.98	N.A.	20.50
70-80	1185.69	N.A.	8.60
80-90	746.10	N.A.	5.40
90-110	714.30	N.A.	5.20
90-120	846.19	N.A.	6.20
90-130	898.35	N.A.	6.50
90-150	927.31	N.A.	6.70
90-180	940.84	N.A.	6.80
110-180	226.54	N.A.	1.60
0-180	13755.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	387.65
10-20	1107.82
20-30	1672.23
30-40	2013.43
40-50	2105.59
50-60	1963.61
60-70	1632.3
70-80	1185.69
80-90	746.10
90-100	451.66
100-110	262.64
110-120	131.89
120-130	52.16
130-140	18.16
140-150	10.80
150-160	7.27
160-170	4.63
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	67	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

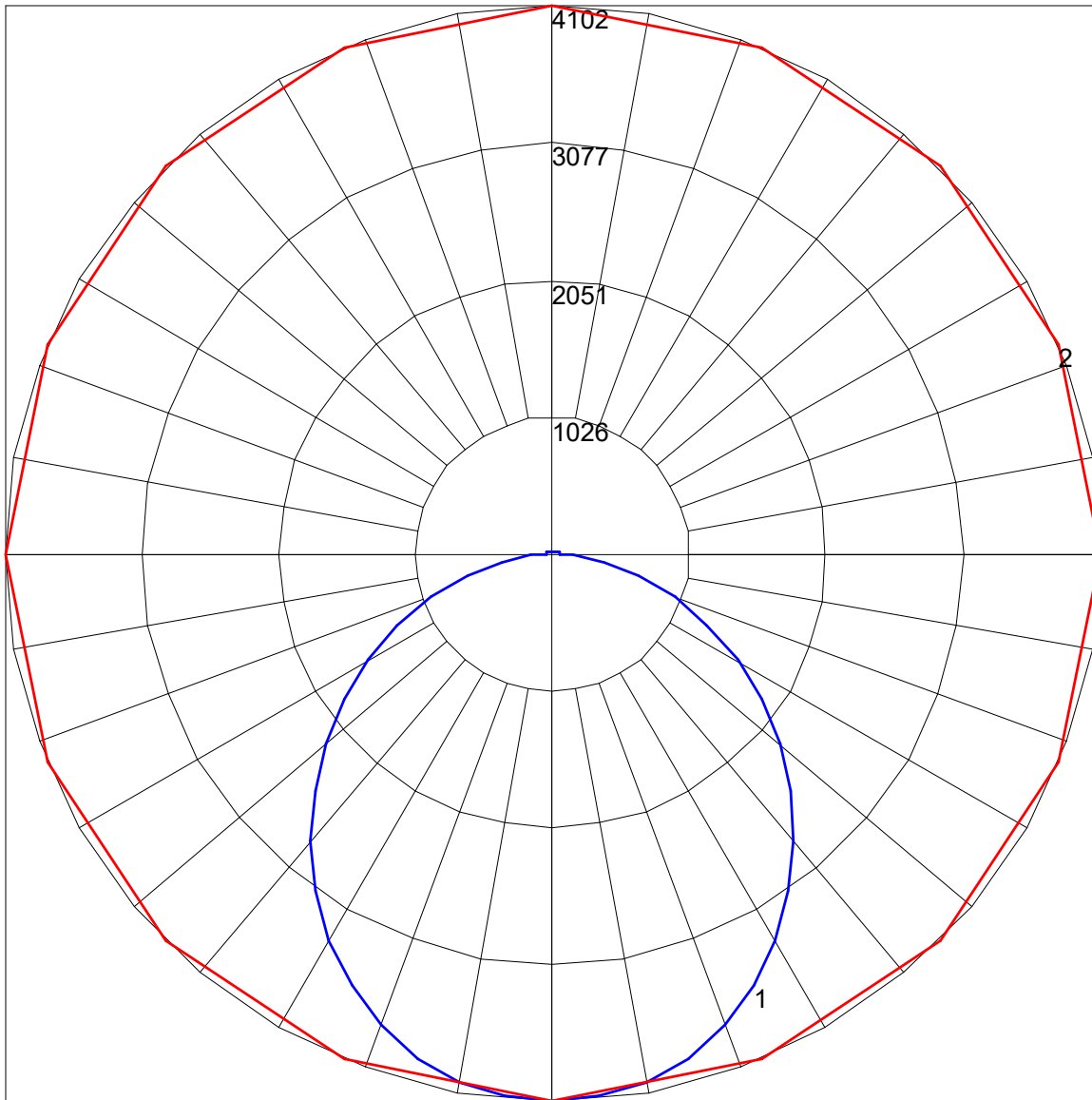
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UGR TABLE - CORRECTED

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 = 4102.027 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.)