

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-8-PS3-3C-M-90W-35K.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-35K

[LUMINAIRE] BS3C-8-PS3-3C-M-90W-35K

[LAMP] 13220 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	13220
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS3C-8-PS3-3C-M-90W-35K.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14308	12787	12896
55	13283	11814	12175
65	11983	10887	11425
75	9914	10077	10677
85	6547	9727	10440

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS3C-8-PS3-3C-M-90W-35K.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3942.361	3942.361	3942.361	3942.361	3942.361
5	3922.204	3919.400	3921.503	3921.503	3919.575
10	3862.435	3855.774	3871.724	3870.497	3868.569
15	3758.844	3756.391	3774.795	3788.817	3790.921
20	3612.663	3618.272	3645.966	3674.010	3682.424
25	3425.114	3442.292	3487.339	3532.035	3545.881
30	3212.502	3235.639	3302.245	3364.468	3390.760
35	2970.267	3001.116	3089.282	3181.828	3217.059
40	2706.649	2750.468	2860.368	2981.836	3024.604
45	2429.183	2477.385	2617.783	2764.140	2810.764
50	2139.273	2197.290	2372.217	2541.712	2593.945
55	1839.020	1910.885	2113.857	2305.261	2365.206
60	1537.700	1627.355	1858.827	2060.748	2124.900
65	1233.364	1346.173	1608.074	1817.461	1881.263
70	930.816	1079.206	1362.001	1570.161	1632.613
75	637.102	832.397	1128.565	1321.073	1388.783
80	369.311	610.916	902.175	1096.945	1158.379
85	154.865	422.754	708.948	892.149	955.478
90	53.328	287.877	556.526	724.934	785.440
95	45.910	198.205	436.951	591.617	642.412
100	41.083	128.711	338.182	480.718	527.956
105	37.290	76.393	252.085	381.283	425.523
110	32.583	43.315	178.048	292.663	332.994
115	29.096	31.639	114.592	213.892	250.665
120	25.458	28.306	65.284	144.614	176.418
125	21.240	25.440	31.774	87.371	111.058
130	17.898	22.420	22.054	43.522	59.851
135	15.462	19.994	19.634	21.183	23.538
140	13.797	17.871	18.103	19.486	16.674
145	12.729	16.202	17.492	17.968	15.282
150	11.970	15.443	16.278	16.744	14.532
155	11.971	15.139	15.970	15.982	12.695
160	13.636	15.895	15.970	15.830	12.848
165	15.461	16.653	15.972	15.678	13.461
170	16.960	18.306	16.427	15.526	13.461
175	17.579	19.076	16.427	14.612	13.461
180	17.000	17.000	17.000	17.000	17.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS3C-8-PS3-3C-M-90W-35K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1437.26	N.A.	10.90
0-30	3044.4	N.A.	23.00
0-40	4979.46	N.A.	37.70
0-60	8890.28	N.A.	67.20
0-80	11598.58	N.A.	87.70
0-90	12315.64	N.A.	93.20
10-90	11943.08	N.A.	90.30
20-40	3542.2	N.A.	26.80
20-50	5565.84	N.A.	42.10
40-70	5479.58	N.A.	41.40
60-80	2708.3	N.A.	20.50
70-80	1139.53	N.A.	8.60
80-90	717.06	N.A.	5.40
90-110	686.49	N.A.	5.20
90-120	813.25	N.A.	6.20
90-130	863.38	N.A.	6.50
90-150	891.21	N.A.	6.70
90-180	904.23	N.A.	6.80
110-180	217.73	N.A.	1.60
0-180	13219.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	372.56
10-20	1064.7
20-30	1607.15
30-40	1935.06
40-50	2023.64
50-60	1887.18
60-70	1568.76
70-80	1139.53
80-90	717.06
90-100	434.08
100-110	252.41
110-120	126.76
120-130	50.13
130-140	17.46
140-150	10.38
150-160	6.99
160-170	4.45
170-180	1.57

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS3C-8-PS3-3C-M-90W-35K.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	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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS3C-8-PS3-3C-M-90W-35K.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

X=2H	Y=2H	18.9	20.5	19.4	20.9	21.4	21.3	22.8	21.7	23.3	23.7
	3H	20.5	21.9	20.9	22.3	22.9	23.7	25.1	24.2	25.6	26.1
	4H	21.0	22.3	21.5	22.8	23.3	24.9	26.2	25.4	26.7	27.2
	6H	21.3	22.5	21.8	23.0	23.6	26.1	27.3	26.6	27.8	28.4
	8H	21.4	22.6	21.9	23.1	23.6	26.7	27.9	27.3	28.4	29.0
	12H	21.4	22.5	21.9	23.1	23.7	27.4	28.6	27.9	29.1	29.7

UGR Viewed Endwise

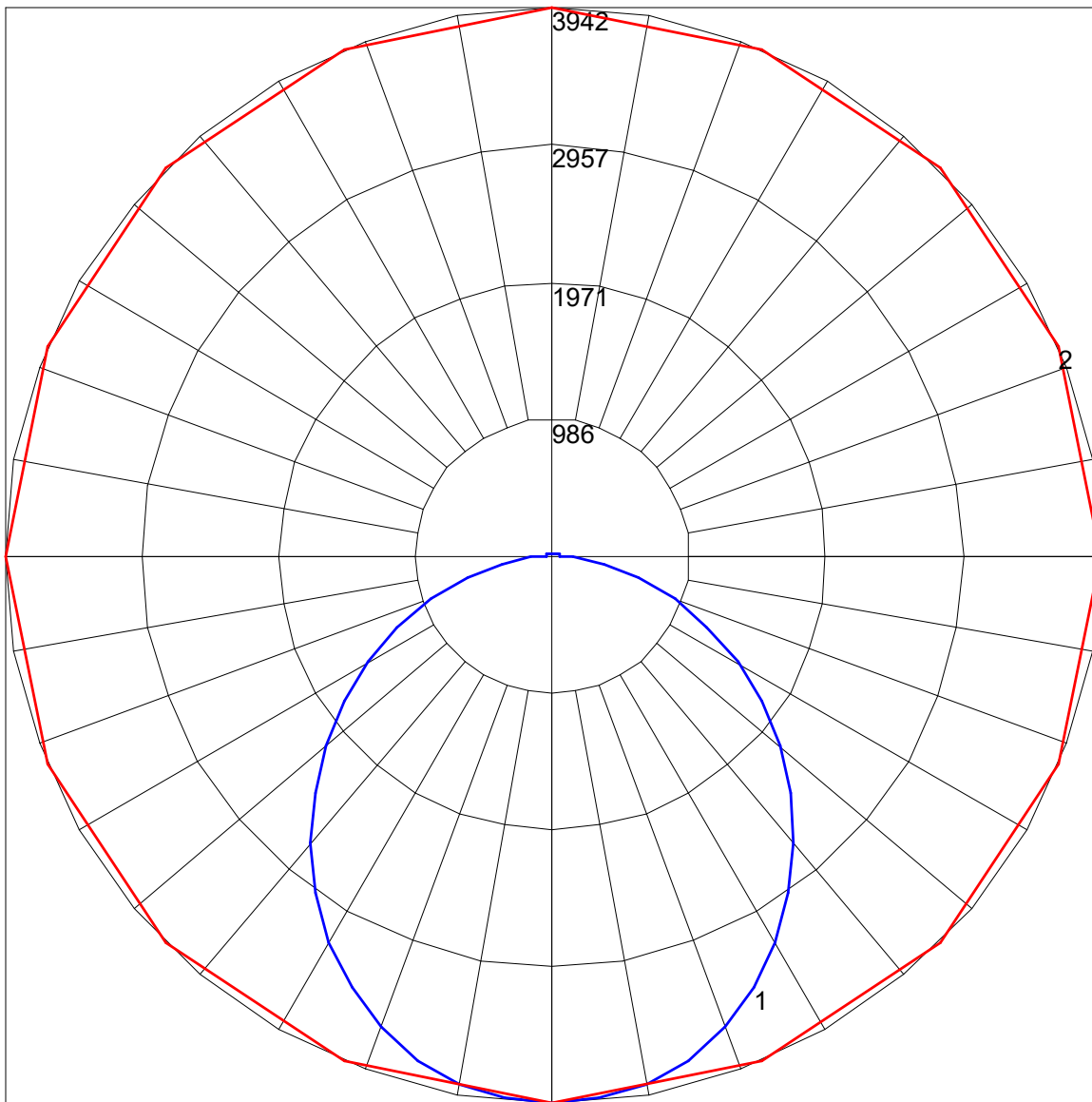
4H	2H	19.9	21.2	20.4	21.7	22.2	21.7	23.0	22.2	23.5	24.1
	3H	21.7	22.8	22.2	23.3	23.9	24.4	25.5	24.9	26.1	26.6
	4H	22.3	23.3	22.8	23.9	24.5	25.7	26.8	26.3	27.3	27.9
	6H	22.8	23.7	23.3	24.2	24.9	27.1	28.0	27.7	28.6	29.2
	8H	22.9	23.8	23.5	24.3	24.9	27.9	28.7	28.4	29.3	29.9
	12H	23.0	23.8	23.6	24.3	25.0	28.7	29.5	29.3	30.1	30.7

8H	4H	23.1	23.9	23.6	24.5	25.1	26.0	26.8	26.5	27.4	28.0
	6H	23.7	24.4	24.3	25.0	25.7	27.5	28.3	28.1	28.9	29.5
	8H	23.9	24.6	24.6	25.2	25.9	28.4	29.1	29.0	29.7	30.3
	12H	24.1	24.7	24.7	25.3	26.0	29.4	30.0	30.0	30.6	31.3

12H	4H	23.3	24.0	23.8	24.6	25.3	26.0	26.8	26.6	27.4	28.0
	6H	24.0	24.7	24.6	25.3	26.0	27.6	28.3	28.2	28.8	29.5
	8H	24.4	24.9	25.0	25.6	26.3	28.5	29.1	29.1	29.7	30.4

Maximum UGR = 31.3

POLAR GRAPH



Maximum Candela = 3942.361 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.)