

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-4-PS1-3C-M-42W-35K- 19000020.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] STD220813NB-BL

[TESTLAB] Ningbo TengLi Testing Co., Ltd

[TESTDATE] 16 August 2022

[ISSUEDATE] 2022-08-16 15:39:47

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] BELUCE

[LUMCAT] BS3C-4-PS1-3C-M-42W-35K- 19000020

[LUMINAIRE] BS3C-4-PS1-3C-M-42W-35K- 19000020

[LAMP] 5880 LUMENS

[SEARCH_SOURCETYPE] 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	5880
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	42
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.16 m
Luminous Width (90-270)	0.11 m
Luminous Height	0.04 m

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BS3C-4-PS1-3C-M-42W-35K- 19000020.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11292	10216	10241
55	10438	9380	9614
65	9268	8575	9030
75	7430	7935	8566
85	4596	7767	8441

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BS3C-4-PS1-3C-M-42W-35K- 19000020.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1709.028	1709.028	1709.028	1709.028	1709.028
5	1700.630	1700.109	1701.052	1702.250	1706.599
10	1670.420	1676.544	1678.330	1680.249	1690.224
15	1624.845	1632.511	1643.527	1643.616	1661.290
20	1561.118	1574.254	1594.968	1595.222	1620.007
25	1480.896	1498.324	1532.273	1535.945	1564.625
30	1391.807	1411.101	1459.771	1466.850	1505.402
35	1287.110	1313.659	1375.976	1388.646	1428.929
40	1175.102	1205.467	1282.540	1301.399	1350.127
45	1054.418	1088.188	1181.692	1210.737	1260.606
50	928.663	966.573	1072.624	1115.880	1168.501
55	801.933	845.522	962.878	1017.307	1069.539
60	669.722	721.276	850.149	917.125	970.178
65	536.989	599.005	741.856	816.743	867.100
70	404.356	484.457	635.884	716.506	765.554
75	277.059	379.149	537.610	619.253	667.114
80	162.410	286.467	446.680	527.603	571.813
85	71.282	208.839	364.449	442.576	484.246
90	28.734	147.355	291.304	365.836	405.398
95	26.149	97.231	229.631	300.002	335.426
100	23.708	46.551	126.265	241.713	273.398
105	20.380	33.882	32.761	22.133	94.391
110	17.496	21.579	68.464	53.452	10.718
115	13.103	9.730	46.751	94.524	118.621
120	4.715	2.851	30.033	67.232	86.425
125	3.006	2.918	16.098	44.199	59.466
130	5.791	7.666	6.912	25.816	37.244
135	7.000	5.936	4.682	12.614	20.203
140	5.647	3.961	4.360	5.902	8.454
145	4.970	3.062	4.094	5.115	5.370
150	4.071	3.173	3.839	4.516	4.682
155	3.817	3.006	2.086	4.038	4.161
160	3.683	3.062	2.895	2.020	1.931
165	3.705	3.262	3.051	3.074	2.341
170	3.928	3.939	3.107	3.251	3.196
175	4.215	4.071	3.594	3.251	3.384
180	3.000	3.000	3.000	3.000	3.000

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Zone	Lumens	%Lamp	%Fixt
0-20	624.77	N.A.	10.60
0-30	1326.79	N.A.	22.60
0-40	2177.41	N.A.	37.00
0-60	3914.14	N.A.	66.60
0-80	5156.03	N.A.	87.70
0-90	5512.97	N.A.	93.80
10-90	5351.26	N.A.	91.00
20-40	1552.64	N.A.	26.40
20-50	2447.84	N.A.	41.60
40-70	2445.92	N.A.	41.60
60-80	1241.89	N.A.	21.10
70-80	532.70	N.A.	9.10
80-90	356.94	N.A.	6.10
90-110	285.62	N.A.	4.90
90-120	331.36	N.A.	5.60
90-130	353.74	N.A.	6.00
90-150	364.26	N.A.	6.20
90-180	367.01	N.A.	6.20
110-180	81.38	N.A.	1.40
0-180	5879.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	161.71
10-20	463.06
20-30	702.01
30-40	850.63
40-50	895.21
50-60	841.52
60-70	709.20
70-80	532.70
80-90	356.94
90-100	218.33
100-110	67.29
110-120	45.74
120-130	22.38
130-140	7.68
140-150	2.84
150-160	1.54
160-170	0.87
170-180	0.34

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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	96	96	96	94
1	105	99	94	90	102	97	92	88	91	87	84	86	83	80	81	79	77	74
2	95	86	78	72	92	83	76	70	79	73	68	74	69	65	70	66	63	60
3	86	75	66	59	83	73	64	58	69	62	56	65	59	54	62	57	53	50
4	79	66	57	49	76	64	55	49	61	53	47	58	51	46	55	49	45	42
5	72	59	49	42	70	57	48	42	54	47	41	52	45	40	49	43	39	36
6	67	53	43	37	64	51	43	36	49	41	35	47	40	35	44	38	34	32
7	62	48	39	32	59	47	38	32	44	37	31	42	36	31	41	35	30	28
8	57	43	35	29	55	42	34	28	41	33	28	39	32	27	37	31	27	25
9	54	40	31	26	52	39	31	25	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	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

X=2H	Y=2H	18.0	19.6	18.5	20.0	20.5	20.4	22.0	20.9	22.5	22.9
	3H	19.5	20.9	20.0	21.4	21.9	23.0	24.4	23.5	24.9	25.4
	4H	20.0	21.4	20.5	21.8	22.3	24.2	25.6	24.7	26.1	26.6
	6H	20.3	21.6	20.8	22.1	22.6	25.5	26.8	26.0	27.3	27.8
	8H	20.4	21.6	20.9	22.1	22.7	26.2	27.4	26.7	27.9	28.4
	12H	20.4	21.6	20.9	22.1	22.7	26.9	28.1	27.4	28.6	29.1

UGR Viewed Endwise

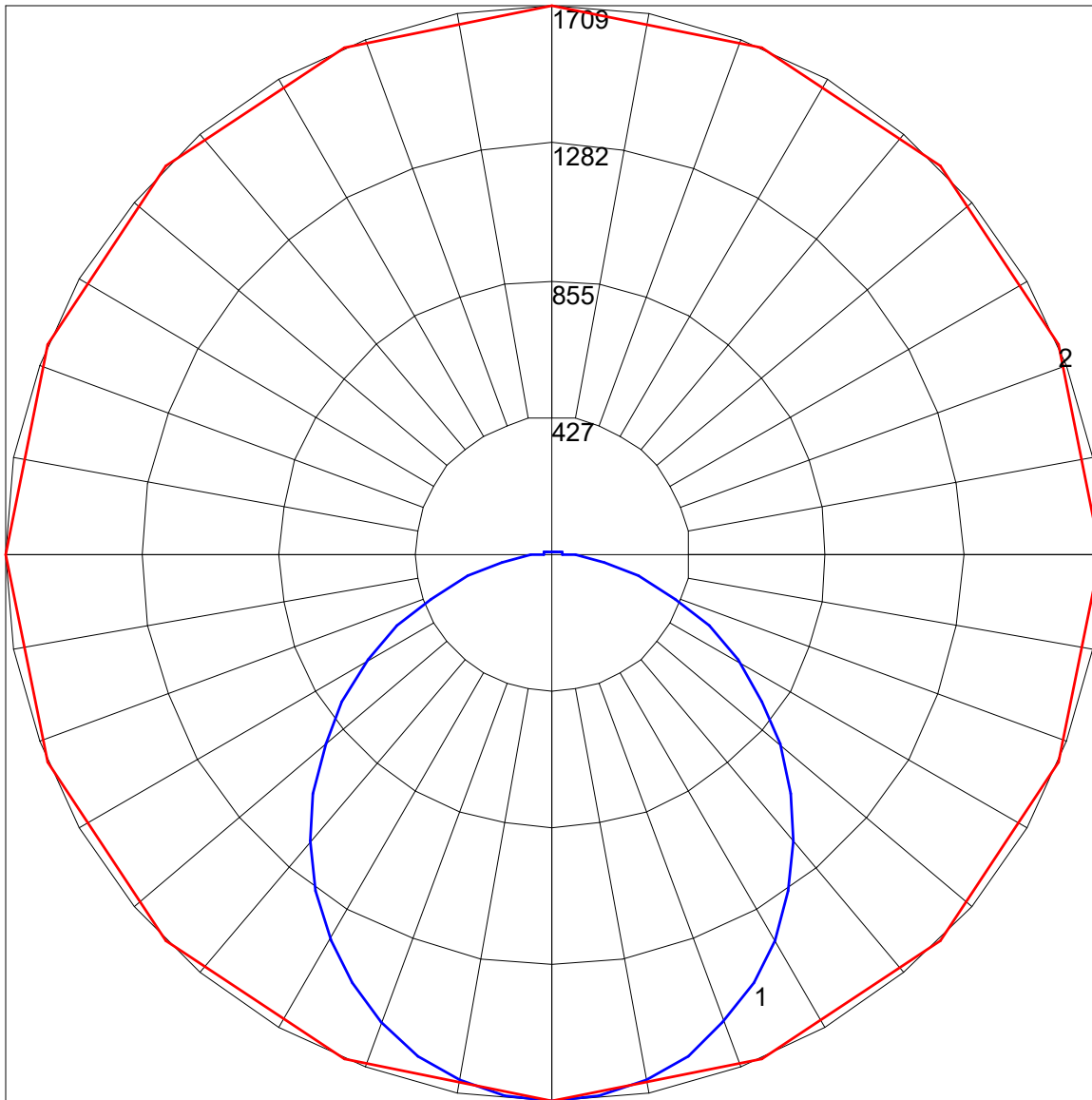
4H	2H	19.0	20.4	19.5	20.9	21.4	20.9	22.3	21.4	22.7	23.3
	3H	20.8	21.9	21.3	22.5	23.0	23.7	24.8	24.2	25.3	25.9
	4H	21.4	22.5	21.9	23.0	23.6	25.1	26.1	25.6	26.7	27.2
	6H	21.9	22.8	22.4	23.4	23.9	26.5	27.5	27.1	28.0	28.6
	8H	22.0	22.9	22.5	23.4	24.0	27.3	28.2	27.9	28.8	29.3
	12H	22.1	22.9	22.6	23.5	24.1	28.1	29.0	28.7	29.5	30.1

8H	4H	22.2	23.1	22.8	23.7	24.3	25.3	26.2	25.9	26.7	27.3
	6H	22.9	23.7	23.5	24.2	24.8	27.0	27.7	27.5	28.3	28.9
	8H	23.1	23.8	23.7	24.4	25.0	27.9	28.5	28.5	29.1	29.8
	12H	23.3	23.9	23.9	24.5	25.2	28.9	29.5	29.5	30.1	30.8

12H	4H	22.4	23.3	23.0	23.8	24.4	25.3	26.1	25.9	26.7	27.3
	6H	23.3	23.9	23.9	24.5	25.2	27.0	27.7	27.6	28.3	28.9
	8H	23.6	24.2	24.2	24.8	25.5	28.0	28.6	28.6	29.2	29.9

Maximum UGR = 30.8

POLAR GRAPH



Maximum Candela = 1709.028 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.)