

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-4-PS2-3C-M-30W-40K- 19000021.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] STD220813NB-BP

[TESTLAB] Ningbo TengLi Testing Co., Ltd

[TESTDATE] 29 August 2022

[ISSUEDATE] 2022-08-29 13:49:46

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] BELUCE

[LUMCAT] BS3C-4-PS2-3C-M-30W-40K- 19000021

[LUMINAIRE] BS3C-4-PS2-3C-M-30W-40K- 19000021

[LAMP] 4706 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	4706
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	157
Total Luminaire Watts	30
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.30
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-PS2-3C-M-30W-40K- 19000021.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9076	8137	8150
55	8341	7437	7639
65	7376	6793	7180
75	5916	6317	6842
85	3671	6218	6804

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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	1378.770	1378.770	1378.770	1378.770	1378.770
5	1371.312	1370.526	1370.938	1371.223	1373.840
10	1347.467	1349.941	1352.661	1349.720	1357.669
15	1308.529	1316.461	1320.633	1320.589	1332.841
20	1257.994	1269.426	1279.551	1280.766	1297.514
25	1193.084	1207.056	1230.599	1231.813	1254.564
30	1119.044	1135.133	1171.043	1176.099	1201.203
35	1036.430	1053.530	1100.229	1109.398	1140.069
40	943.817	965.529	1023.728	1039.964	1075.291
45	847.501	870.246	941.295	965.728	1003.182
50	745.005	771.934	852.876	886.758	928.015
55	640.801	671.719	763.479	808.959	849.777
60	533.952	572.373	674.320	728.719	770.097
65	427.340	473.973	587.681	649.023	689.397
70	322.404	383.966	504.028	570.208	610.239
75	220.612	300.395	427.988	494.547	532.869
80	128.863	227.417	356.527	424.724	458.797
85	56.939	166.345	291.798	358.423	390.347
90	23.827	117.798	234.843	297.944	328.126
95	21.695	77.585	185.274	244.995	272.902
100	19.645	37.459	102.578	198.587	223.514
105	16.820	27.719	23.635	17.479	77.370
110	14.555	17.858	56.352	42.824	6.992
115	11.137	8.251	38.745	78.750	98.444
120	4.144	2.495	25.147	56.285	72.435
125	2.765	2.540	13.566	37.498	50.294
130	5.079	6.514	5.815	22.250	31.957
135	5.970	5.145	3.990	11.208	17.605
140	4.865	3.057	3.788	5.046	7.447
145	4.112	2.358	3.666	4.546	4.804
150	3.447	2.770	3.403	4.134	4.237
155	3.188	2.743	1.841	3.781	3.765
160	3.172	2.709	2.726	1.847	1.693
165	3.413	2.979	2.770	2.858	1.896
170	3.936	3.749	2.814	2.941	2.809
175	4.112	3.974	3.254	3.062	2.946
180	3.000	3.000	3.000	3.000	3.000

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Zone	Lumens	%Lamp	%Fixt
0-20	502.69	N.A.	10.70
0-30	1066.6	N.A.	22.70
0-40	1747.66	N.A.	37.10
0-60	3131.26	N.A.	66.50
0-80	4118.73	N.A.	87.50
0-90	4405.65	N.A.	93.60
10-90	4275.38	N.A.	90.90
20-40	1244.97	N.A.	26.50
20-50	1959.49	N.A.	41.60
40-70	1946.64	N.A.	41.40
60-80	987.47	N.A.	21.00
70-80	424.43	N.A.	9.00
80-90	286.93	N.A.	6.10
90-110	231.66	N.A.	4.90
90-120	269.58	N.A.	5.70
90-130	288.51	N.A.	6.10
90-150	297.60	N.A.	6.30
90-180	300.09	N.A.	6.40
110-180	68.43	N.A.	1.50
0-180	4705.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	130.27
10-20	372.42
20-30	563.91
30-40	681.06
40-50	714.52
50-60	669.08
60-70	563.05
70-80	424.43
80-90	286.93
90-100	177.19
100-110	54.47
110-120	37.92
120-130	18.94
130-140	6.63
140-150	2.45
150-160	1.39
160-170	0.79
170-180	0.32

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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	36	47	40	35	44	39	34	32
7	62	48	39	32	60	47	38	32	44	37	31	42	36	31	41	35	30	28
8	57	44	35	29	55	43	34	28	41	33	28	39	32	27	37	31	27	25
9	54	40	31	26	52	39	31	26	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

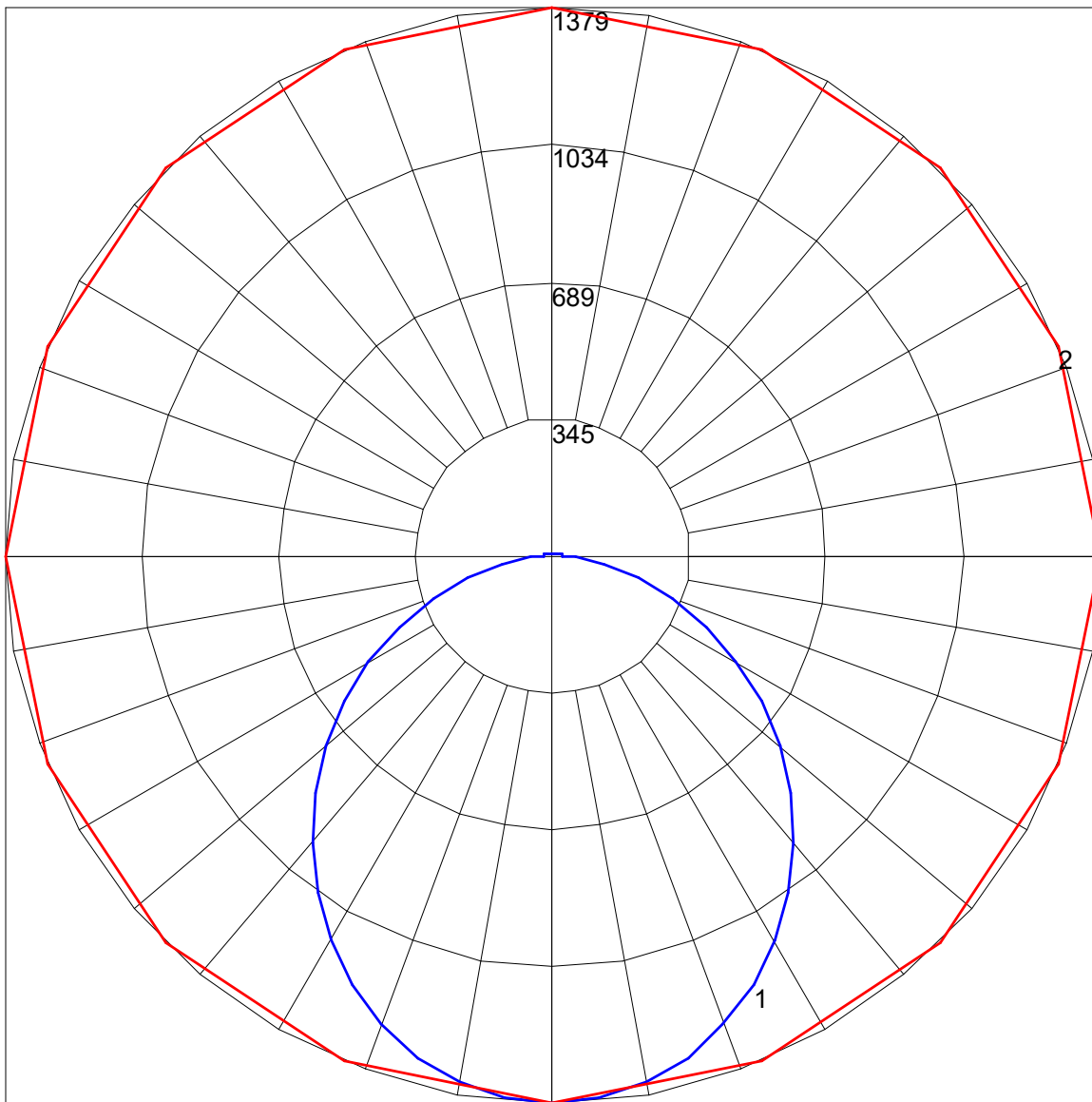
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	17.2	18.7	17.6	19.2	19.6	19.6	21.2	20.1	21.6	22.1
	3H	18.7	20.1	19.1	20.5	21.0	22.2	23.6	22.6	24.0	24.5
	4H	19.2	20.5	19.6	21.0	21.5	23.4	24.8	23.9	25.2	25.7
	6H	19.5	20.7	20.0	21.2	21.7	24.7	26.0	25.2	26.5	27.0
	8H	19.5	20.8	20.0	21.3	21.8	25.4	26.6	25.9	27.1	27.6
	12H	19.6	20.8	20.1	21.2	21.8	26.1	27.3	26.6	27.8	28.3
4H	2H	18.2	19.5	18.7	20.0	20.5	20.1	21.4	20.5	21.9	22.4
	3H	19.9	21.1	20.4	21.6	22.1	22.8	24.0	23.3	24.5	25.0
	4H	20.6	21.6	21.1	22.1	22.7	24.2	25.3	24.8	25.8	26.4
	6H	21.0	22.0	21.5	22.5	23.1	25.7	26.7	26.3	27.2	27.8
	8H	21.1	22.0	21.7	22.6	23.2	26.5	27.4	27.0	27.9	28.5
	12H	21.2	22.0	21.8	22.6	23.2	27.4	28.2	27.9	28.7	29.4
8H	4H	21.4	22.3	21.9	22.8	23.4	24.5	25.4	25.0	25.9	26.5
	6H	22.0	22.8	22.6	23.4	24.0	26.1	26.9	26.7	27.5	28.1
	8H	22.3	23.0	22.9	23.6	24.2	27.1	27.7	27.7	28.3	29.0
	12H	22.4	23.1	23.0	23.7	24.3	28.1	28.7	28.7	29.3	30.0
12H	4H	21.6	22.4	22.2	23.0	23.6	24.5	25.3	25.0	25.9	26.5
	6H	22.4	23.1	23.0	23.7	24.3	26.2	26.9	26.8	27.5	28.1
	8H	22.7	23.4	23.3	24.0	24.6	27.2	27.8	27.8	28.4	29.1

Maximum UGR = 30.0

POLAR GRAPH



Maximum Candela = 1378.77 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.)