

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-4-PS2-3C-M-30W-50K- 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-50K- 19000021

[LUMINAIRE] BS3C-4-PS2-3C-M-30W-50K- 19000021

[LAMP] 4682 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	4682
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	156
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-50K- 19000021.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9031	8097	8110
55	8300	7400	7601
65	7339	6759	7144
75	5887	6286	6808
85	3653	6187	6770

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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	1371.914	1371.914	1371.914	1371.914	1371.914
5	1364.493	1363.711	1364.121	1364.405	1367.008
10	1340.767	1343.228	1345.935	1343.009	1350.918
15	1302.022	1309.915	1314.066	1314.023	1326.213
20	1251.738	1263.114	1273.188	1274.397	1291.062
25	1187.151	1201.053	1224.479	1225.687	1248.325
30	1113.480	1129.489	1165.220	1170.250	1195.230
35	1031.276	1048.291	1094.758	1103.881	1134.400
40	939.124	960.728	1018.637	1034.793	1069.944
45	843.287	865.919	936.614	960.926	998.193
50	741.300	768.095	848.635	882.348	923.400
55	637.614	668.379	759.683	804.936	845.551
60	531.297	569.527	670.966	725.095	766.268
65	425.215	471.616	584.759	645.796	685.968
70	320.801	382.057	501.522	567.372	607.205
75	219.515	298.901	425.860	492.088	530.219
80	128.222	226.286	354.754	422.612	456.515
85	56.656	165.518	290.347	356.641	388.406
90	23.709	117.212	233.676	296.462	326.494
95	21.587	77.199	184.353	243.777	271.544
100	19.547	37.273	102.068	197.599	222.403
105	16.736	27.582	23.517	17.392	76.986
110	14.483	17.770	56.072	42.611	6.957
115	11.081	8.210	38.553	78.358	97.955
120	4.124	2.483	25.022	56.005	72.074
125	2.751	2.527	13.498	37.311	50.044
130	5.054	6.481	5.786	22.140	31.798
135	5.940	5.119	3.971	11.152	17.518
140	4.840	3.041	3.769	5.020	7.410
145	4.091	2.346	3.648	4.523	4.780
150	3.429	2.756	3.386	4.113	4.216
155	3.172	2.729	1.832	3.762	3.746
160	3.156	2.696	2.713	1.838	1.685
165	3.396	2.964	2.756	2.844	1.886
170	3.916	3.730	2.800	2.926	2.795
175	4.091	3.954	3.238	3.047	2.931
180	3.000	3.000	3.000	3.000	3.000

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Zone	Lumens	%Lamp	%Fixt
0-20	500.19	N.A.	10.70
0-30	1061.29	N.A.	22.70
0-40	1738.97	N.A.	37.10
0-60	3115.69	N.A.	66.50
0-80	4098.25	N.A.	87.50
0-90	4383.75	N.A.	93.60
10-90	4254.12	N.A.	90.90
20-40	1238.78	N.A.	26.50
20-50	1949.75	N.A.	41.60
40-70	1936.96	N.A.	41.40
60-80	982.56	N.A.	21.00
70-80	422.32	N.A.	9.00
80-90	285.50	N.A.	6.10
90-110	230.51	N.A.	4.90
90-120	268.24	N.A.	5.70
90-130	287.08	N.A.	6.10
90-150	296.12	N.A.	6.30
90-180	298.60	N.A.	6.40
110-180	68.09	N.A.	1.50
0-180	4682.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	129.62
10-20	370.56
20-30	561.11
30-40	677.67
40-50	710.97
50-60	665.75
60-70	560.25
70-80	422.32
80-90	285.50
90-100	176.31
100-110	54.20
110-120	37.73
120-130	18.84
130-140	6.60
140-150	2.44
150-160	1.38
160-170	0.79
170-180	0.31

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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

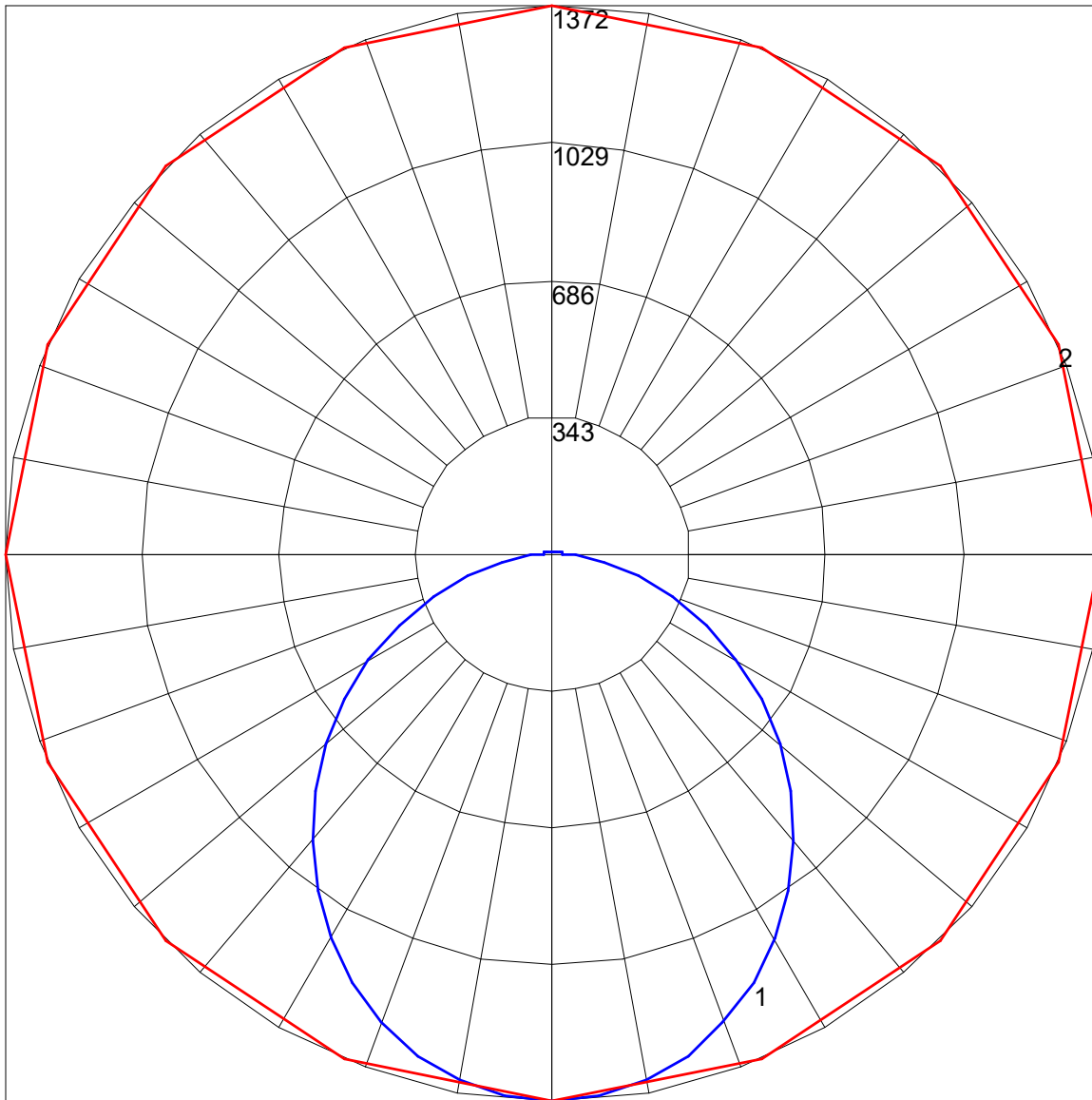
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

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

Maximum UGR = 30.0

POLAR GRAPH



Maximum Candela = 1371.914 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.)