

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-4-PS1-3C-M-30W-40K- 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-30W-40K- 19000020

[LUMINAIRE] BS3C-4-PS1-3C-M-30W-40K- 19000020

[LAMP] 4549 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	4549
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	152
Total Luminaire Watts	30
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-30W-40K- 19000020.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8736	7903	7923
55	8075	7256	7438
65	7170	6633	6986
75	5748	6139	6627
85	3555	6008	6530

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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	1322.111	1322.111	1322.111	1322.111	1322.111
5	1315.615	1315.211	1315.940	1316.868	1320.232
10	1292.244	1296.982	1298.363	1299.848	1307.564
15	1256.987	1262.917	1271.439	1271.508	1285.181
20	1207.687	1217.849	1233.874	1234.070	1253.244
25	1145.627	1159.109	1185.373	1188.214	1210.401
30	1076.708	1091.633	1129.286	1134.761	1164.586
35	995.713	1016.252	1064.461	1074.262	1105.426
40	909.065	932.554	992.178	1006.769	1044.464
45	815.702	841.827	914.162	936.631	975.210
50	718.418	747.744	829.786	863.249	903.957
55	620.378	654.099	744.887	786.993	827.400
60	518.099	557.982	657.678	709.492	750.533
65	415.417	463.394	573.903	631.836	670.792
70	312.812	374.778	491.922	554.292	592.235
75	214.334	293.312	415.897	479.057	516.082
80	125.641	221.612	345.554	408.156	442.357
85	55.144	161.560	281.940	342.379	374.615
90	22.228	113.995	225.354	283.012	313.618
95	20.229	75.218	177.644	232.083	259.487
100	18.341	36.013	97.679	186.990	211.501
105	15.766	26.210	25.345	17.122	73.021
110	13.534	16.694	52.964	41.351	8.291
115	10.136	7.527	36.167	73.124	91.765
120	3.647	2.205	23.233	52.011	66.859
125	2.326	2.257	12.454	34.193	46.003
130	4.480	5.931	5.347	19.972	28.812
135	5.416	4.592	3.621	9.758	15.629
140	4.369	3.064	3.372	4.567	6.541
145	3.845	2.369	3.166	3.957	4.155
150	3.150	2.454	2.970	3.494	3.621
155	2.953	2.326	1.614	3.124	3.219
160	2.850	2.369	2.240	1.562	1.493
165	2.866	2.523	2.360	2.378	1.811
170	3.039	3.047	2.403	2.515	2.472
175	3.262	3.150	2.781	2.515	2.617
180	2.000	2.000	2.000	2.000	2.000

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Zone	Lumens	%Lamp	%Fixt
0-20	483.33	N.A.	10.60
0-30	1026.41	N.A.	22.60
0-40	1684.46	N.A.	37.00
0-60	3027.99	N.A.	66.60
0-80	3988.73	N.A.	87.70
0-90	4264.86	N.A.	93.80
10-90	4139.76	N.A.	91.00
20-40	1201.13	N.A.	26.40
20-50	1893.66	N.A.	41.60
40-70	1892.17	N.A.	41.60
60-80	960.73	N.A.	21.10
70-80	412.10	N.A.	9.10
80-90	276.13	N.A.	6.10
90-110	220.96	N.A.	4.90
90-120	256.34	N.A.	5.60
90-130	273.65	N.A.	6.00
90-150	281.79	N.A.	6.20
90-180	283.91	N.A.	6.20
110-180	62.95	N.A.	1.40
0-180	4548.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	125.10
10-20	358.23
20-30	543.08
30-40	658.05
40-50	692.53
50-60	651.00
60-70	548.64
70-80	412.10
80-90	276.13
90-100	168.90
100-110	52.06
110-120	35.38
120-130	17.31
130-140	5.94
140-150	2.20
150-160	1.20
160-170	0.67
170-180	0.26

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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	17.1	18.7	17.6	19.1	19.6	19.5	21.1	20.0	21.6	22.0
	3H	18.6	20.0	19.1	20.5	21.0	22.1	23.5	22.6	24.0	24.5
	4H	19.1	20.5	19.6	20.9	21.4	23.3	24.7	23.8	25.2	25.7
	6H	19.4	20.7	19.9	21.2	21.7	24.6	25.9	25.1	26.4	26.9
	8H	19.5	20.7	20.0	21.2	21.8	25.3	26.5	25.8	27.0	27.5
	12H	19.5	20.7	20.0	21.2	21.8	26.0	27.2	26.5	27.7	28.2

UGR Viewed Endwise

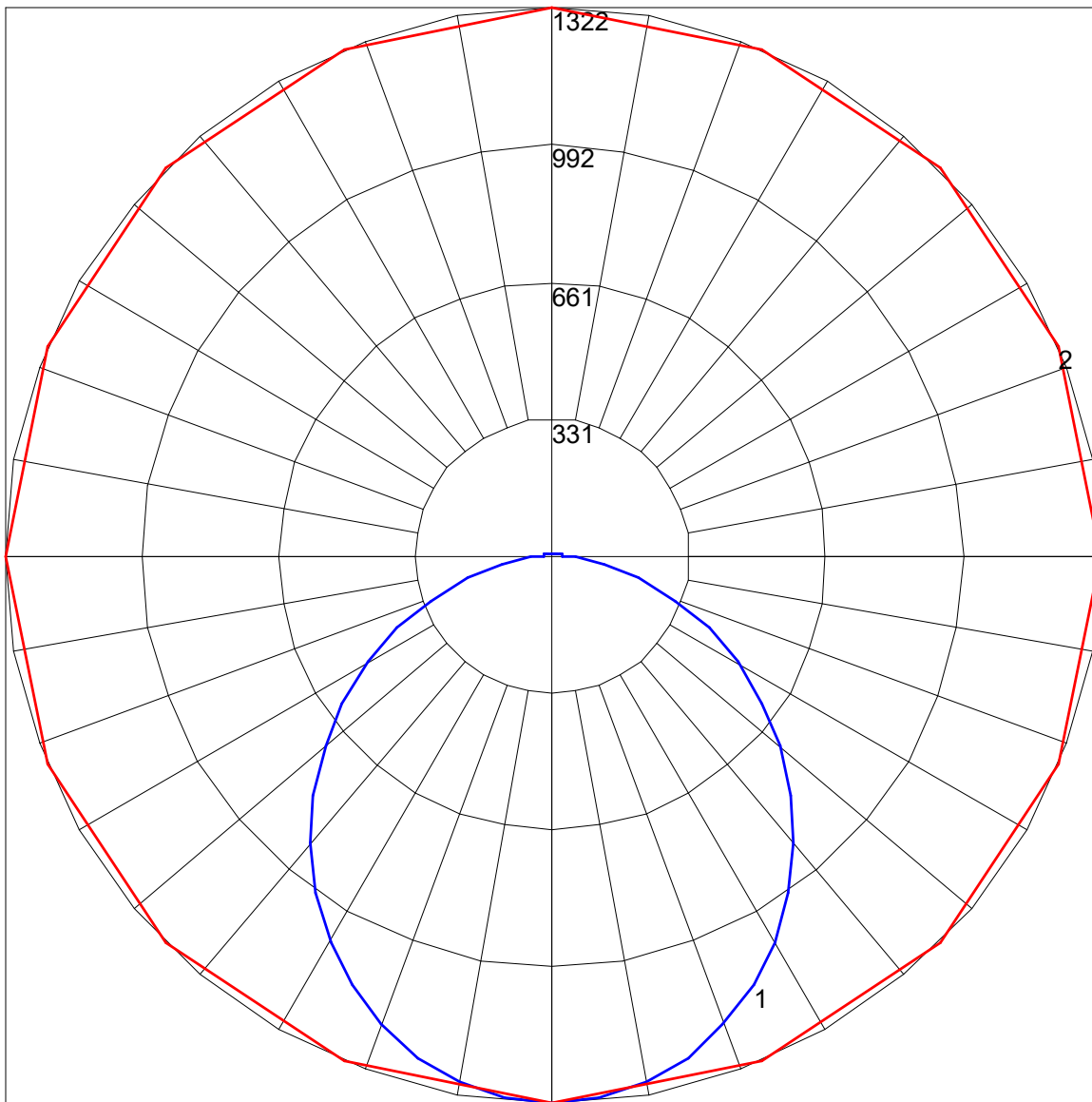
4H	2H	18.1	19.5	18.6	20.0	20.5	20.0	21.4	20.5	21.8	22.4
	3H	19.9	21.0	20.4	21.6	22.1	22.8	23.9	23.3	24.4	25.0
	4H	20.5	21.6	21.0	22.1	22.7	24.2	25.2	24.7	25.8	26.3
	6H	21.0	21.9	21.5	22.5	23.0	25.6	26.6	26.2	27.1	27.7
	8H	21.1	22.0	21.6	22.5	23.1	26.4	27.3	27.0	27.9	28.4
	12H	21.2	22.0	21.7	22.6	23.2	27.2	28.1	27.8	28.6	29.2

8H	4H	21.3	22.2	21.9	22.8	23.4	24.4	25.3	24.9	25.8	26.4
	6H	22.0	22.8	22.6	23.3	23.9	26.1	26.8	26.6	27.4	28.0
	8H	22.2	22.9	22.8	23.5	24.1	27.0	27.6	27.6	28.2	28.9
	12H	22.4	23.0	23.0	23.6	24.3	28.0	28.6	28.6	29.2	29.9

12H	4H	21.5	22.4	22.1	22.9	23.5	24.4	25.2	25.0	25.8	26.4
	6H	22.4	23.0	23.0	23.6	24.3	26.1	26.8	26.7	27.4	28.0
	8H	22.7	23.3	23.3	23.9	24.6	27.1	27.7	27.7	28.3	29.0

Maximum UGR = 29.9

POLAR GRAPH



Maximum Candela = 1322.111 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.)