

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-4-PS2-3C-M-45W-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-45W-40K- 19000021

[LUMINAIRE] BS3C-4-PS2-3C-M-45W-40K- 19000021

[LAMP] 6823 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	6823
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	152
Total Luminaire Watts	45
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-45W-40K- 19000021.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13160	11799	11818
55	12094	10784	11076
65	10695	9849	10411
75	8578	9160	9922
85	5323	9017	9866

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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	1999.217	1999.217	1999.217	1999.217	1999.217
5	1988.402	1987.263	1987.860	1988.274	1992.068
10	1953.828	1957.414	1961.359	1957.094	1968.620
15	1897.367	1908.869	1914.918	1914.854	1932.619
20	1824.091	1840.668	1855.349	1857.111	1881.396
25	1729.971	1750.232	1784.368	1786.129	1819.117
30	1622.615	1645.943	1698.012	1705.344	1741.744
35	1502.824	1527.619	1595.333	1608.627	1653.100
40	1368.536	1400.018	1484.406	1507.948	1559.172
45	1228.876	1261.857	1364.878	1400.305	1454.614
50	1080.257	1119.304	1236.671	1285.799	1345.622
55	929.161	973.993	1107.045	1172.990	1232.175
60	774.231	829.942	977.763	1056.642	1116.641
65	619.643	687.260	852.138	941.084	999.624
70	467.485	556.751	730.841	826.800	884.847
75	319.888	435.573	620.583	717.093	772.660
80	186.851	329.754	516.964	615.848	665.255
85	82.562	241.199	423.108	519.714	566.004
90	34.550	170.807	340.523	432.018	475.783
95	31.458	112.497	268.648	355.243	395.706
100	28.485	54.317	148.738	287.951	324.096
105	24.389	40.194	34.271	25.345	112.187
110	21.104	25.895	81.710	62.095	10.138
115	16.148	11.963	56.181	114.187	142.744
120	6.010	3.618	36.463	81.614	105.030
125	4.009	3.682	19.671	54.372	72.926
130	7.365	9.445	8.433	32.263	46.338
135	8.655	7.460	5.786	16.251	25.529
140	7.053	4.432	5.492	7.317	10.799
145	5.962	3.419	5.316	6.591	6.965
150	4.997	4.017	4.934	5.993	6.145
155	4.623	3.977	2.670	5.484	5.460
160	4.599	3.929	3.953	2.678	2.455
165	4.949	4.320	4.017	4.144	2.749
170	5.706	5.436	4.080	4.264	4.073
175	5.962	5.762	4.718	4.440	4.272
180	5.000	5.000	5.000	5.000	5.000

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Zone	Lumens	%Lamp	%Fixt
0-20	728.90	N.A.	10.70
0-30	1546.57	N.A.	22.70
0-40	2534.1	N.A.	37.10
0-60	4540.32	N.A.	66.50
0-80	5972.16	N.A.	87.50
0-90	6388.2	N.A.	93.60
10-90	6199.31	N.A.	90.90
20-40	1805.21	N.A.	26.50
20-50	2841.26	N.A.	41.60
40-70	2822.63	N.A.	41.40
60-80	1431.83	N.A.	21.00
70-80	615.42	N.A.	9.00
80-90	416.04	N.A.	6.10
90-110	335.91	N.A.	4.90
90-120	390.89	N.A.	5.70
90-130	418.35	N.A.	6.10
90-150	431.51	N.A.	6.30
90-180	435.14	N.A.	6.40
110-180	99.23	N.A.	1.50
0-180	6823.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	188.89
10-20	540.00
20-30	817.67
30-40	987.54
40-50	1036.05
50-60	970.16
60-70	816.42
70-80	615.42
80-90	416.04
90-100	256.93
100-110	78.98
110-120	54.98
120-130	27.46
130-140	9.61
140-150	3.56
150-160	2.01
160-170	1.15
170-180	0.47

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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	18.5	20.0	18.9	20.5	20.9	20.9	22.5	21.4	22.9	23.4
	3H	20.0	21.4	20.4	21.8	22.3	23.5	24.9	23.9	25.3	25.8
	4H	20.5	21.8	20.9	22.3	22.8	24.7	26.1	25.2	26.5	27.0
	6H	20.8	22.0	21.3	22.5	23.0	26.0	27.3	26.5	27.8	28.3
	8H	20.8	22.1	21.3	22.6	23.1	26.7	27.9	27.2	28.4	28.9
	12H	20.9	22.1	21.4	22.5	23.1	27.4	28.6	27.9	29.1	29.6

UGR Viewed Endwise

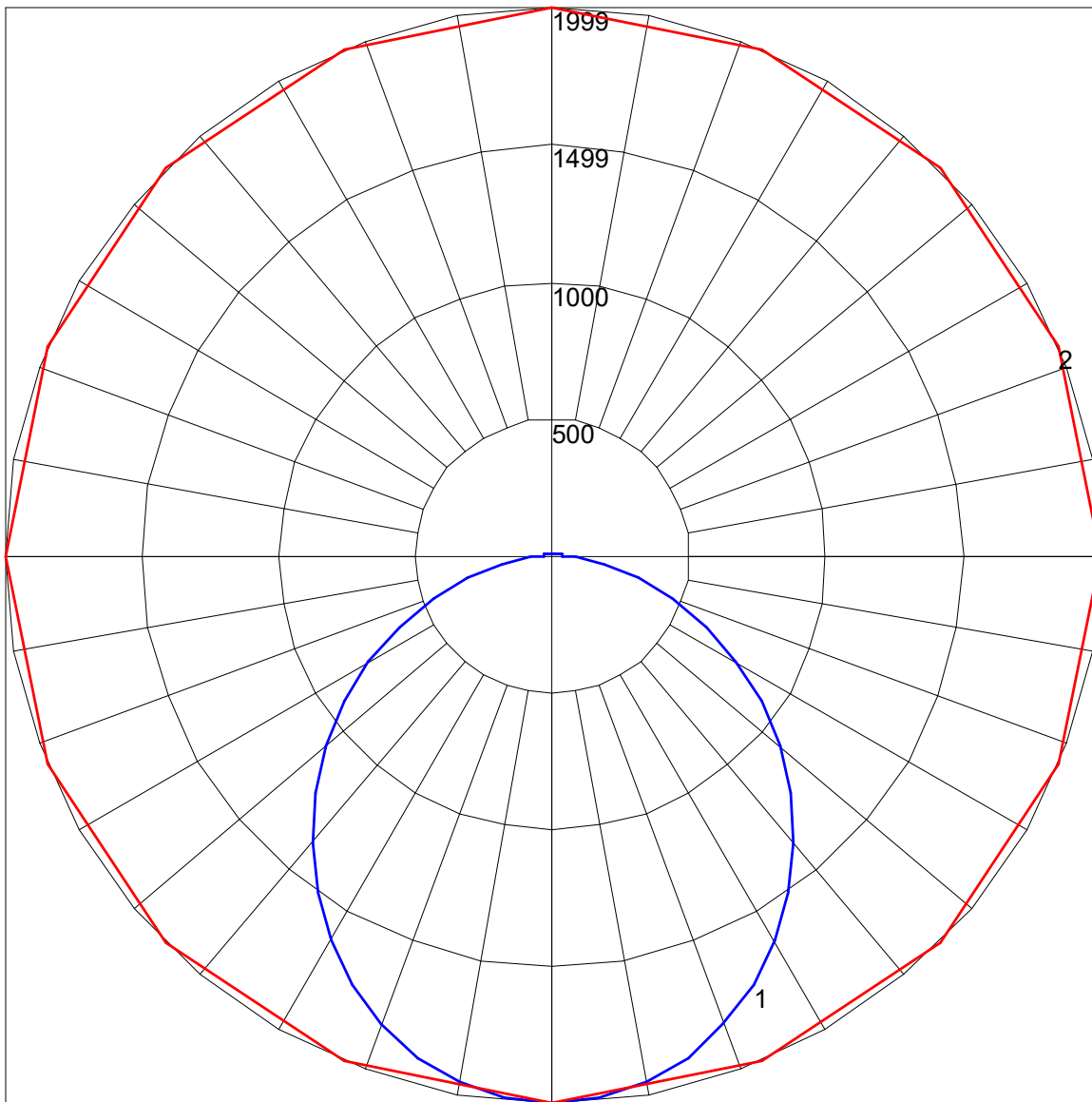
4H	2H	19.5	20.8	20.0	21.3	21.8	21.4	22.7	21.8	23.2	23.7
	3H	21.2	22.4	21.7	22.9	23.4	24.1	25.3	24.6	25.8	26.3
	4H	21.9	22.9	22.4	23.4	24.0	25.5	26.6	26.1	27.1	27.7
	6H	22.3	23.3	22.8	23.8	24.4	27.0	28.0	27.6	28.5	29.1
	8H	22.4	23.3	23.0	23.9	24.5	27.8	28.7	28.3	29.2	29.8
	12H	22.5	23.3	23.1	23.9	24.5	28.7	29.5	29.2	30.0	30.7

8H	4H	22.7	23.6	23.2	24.1	24.7	25.8	26.7	26.3	27.2	27.8
	6H	23.3	24.1	23.9	24.7	25.3	27.4	28.2	28.0	28.8	29.4
	8H	23.6	24.3	24.2	24.9	25.5	28.4	29.0	29.0	29.6	30.3
	12H	23.7	24.4	24.3	25.0	25.6	29.4	30.0	30.0	30.6	31.3

12H	4H	22.9	23.7	23.5	24.3	24.9	25.8	26.6	26.3	27.2	27.8
	6H	23.7	24.4	24.3	25.0	25.6	27.5	28.2	28.1	28.8	29.4
	8H	24.0	24.7	24.6	25.3	25.9	28.5	29.1	29.1	29.7	30.4

Maximum UGR = 31.3

POLAR GRAPH



Maximum Candela = 1999.217 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.)