

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-4-PS2-3C-M-65W-35K- 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-65W-35K- 19000021

[LUMINAIRE] BS3C-4-PS2-3C-M-65W-35K- 19000021

[LAMP] 9100 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	9100
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	65
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-65W-35K- 19000021.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17552	15736	15761
55	16130	14382	14772
65	14264	13136	13885
75	11440	12216	13232
85	7099	12025	13158

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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	2666.329	2666.329	2666.329	2666.329	2666.329
5	2651.905	2650.385	2651.182	2651.734	2656.794
10	2605.793	2610.577	2615.838	2610.151	2625.522
15	2530.493	2545.832	2553.900	2553.815	2577.508
20	2432.765	2454.874	2474.454	2476.803	2509.192
25	2307.240	2334.260	2379.787	2382.136	2426.132
30	2164.059	2195.172	2264.615	2274.394	2322.940
35	2004.296	2037.365	2127.674	2145.404	2204.717
40	1825.198	1867.185	1979.731	2011.131	2079.447
45	1638.936	1682.921	1820.319	1867.568	1939.998
50	1440.725	1492.800	1649.331	1714.852	1794.638
55	1239.209	1299.001	1476.451	1564.401	1643.336
60	1032.581	1106.882	1304.029	1409.230	1489.250
65	826.409	916.590	1136.485	1255.111	1333.186
70	623.479	742.531	974.713	1102.693	1180.109
75	426.630	580.918	827.663	956.377	1030.487
80	249.200	439.789	689.468	821.349	887.242
85	110.112	321.684	564.294	693.135	754.872
90	46.079	227.803	454.150	576.177	634.545
95	41.955	150.037	358.292	473.783	527.749
100	37.990	72.441	198.370	384.037	432.242
105	32.527	53.605	45.707	33.802	149.622
110	28.147	34.536	108.975	82.815	13.521
115	21.536	15.955	74.928	152.290	190.376
120	8.015	4.826	48.630	108.847	140.077
125	5.347	4.911	26.234	72.515	97.261
130	9.822	12.596	11.246	43.029	61.800
135	11.544	9.949	7.717	21.674	34.047
140	9.407	5.910	7.324	9.758	14.403
145	7.951	4.560	7.090	8.791	9.290
150	6.665	5.357	6.580	7.993	8.195
155	6.165	5.304	3.561	7.313	7.281
160	6.133	5.240	5.272	3.572	3.274
165	6.601	5.761	5.357	5.527	3.667
170	7.611	7.249	5.442	5.687	5.432
175	7.951	7.685	6.293	5.921	5.697
180	8.000	8.000	8.000	8.000	8.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BS3C-4-PS2-3C-M-65W-35K- 19000021.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	972.12	N.A.	10.70
0-30	2062.64	N.A.	22.70
0-40	3379.7	N.A.	37.10
0-60	6055.36	N.A.	66.50
0-80	7964.98	N.A.	87.50
0-90	8519.86	N.A.	93.60
10-90	8267.93	N.A.	90.90
20-40	2407.58	N.A.	26.50
20-50	3789.35	N.A.	41.60
40-70	3764.51	N.A.	41.40
60-80	1909.62	N.A.	21.00
70-80	820.78	N.A.	9.00
80-90	554.87	N.A.	6.10
90-110	447.99	N.A.	4.90
90-120	521.32	N.A.	5.70
90-130	557.94	N.A.	6.10
90-150	575.50	N.A.	6.30
90-180	580.35	N.A.	6.40
110-180	132.36	N.A.	1.50
0-180	9100.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	251.92
10-20	720.20
20-30	1090.52
30-40	1317.06
40-50	1381.77
50-60	1293.89
60-70	1088.84
70-80	820.78
80-90	554.87
90-100	342.66
100-110	105.33
110-120	73.33
120-130	36.62
130-140	12.82
140-150	4.74
150-160	2.68
160-170	1.53
170-180	0.64

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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	19.5	21.0	19.9	21.5	21.9	21.9	23.5	22.4	23.9	24.4
	3H	21.0	22.4	21.4	22.8	23.3	24.5	25.9	24.9	26.3	26.8
	4H	21.5	22.8	21.9	23.3	23.8	25.7	27.1	26.2	27.5	28.0
	6H	21.8	23.0	22.3	23.5	24.0	27.0	28.3	27.5	28.8	29.3
	8H	21.8	23.1	22.3	23.6	24.1	27.7	28.9	28.2	29.4	29.9
	12H	21.9	23.1	22.4	23.5	24.1	28.4	29.6	28.9	30.1	30.6

### UGR Viewed Endwise

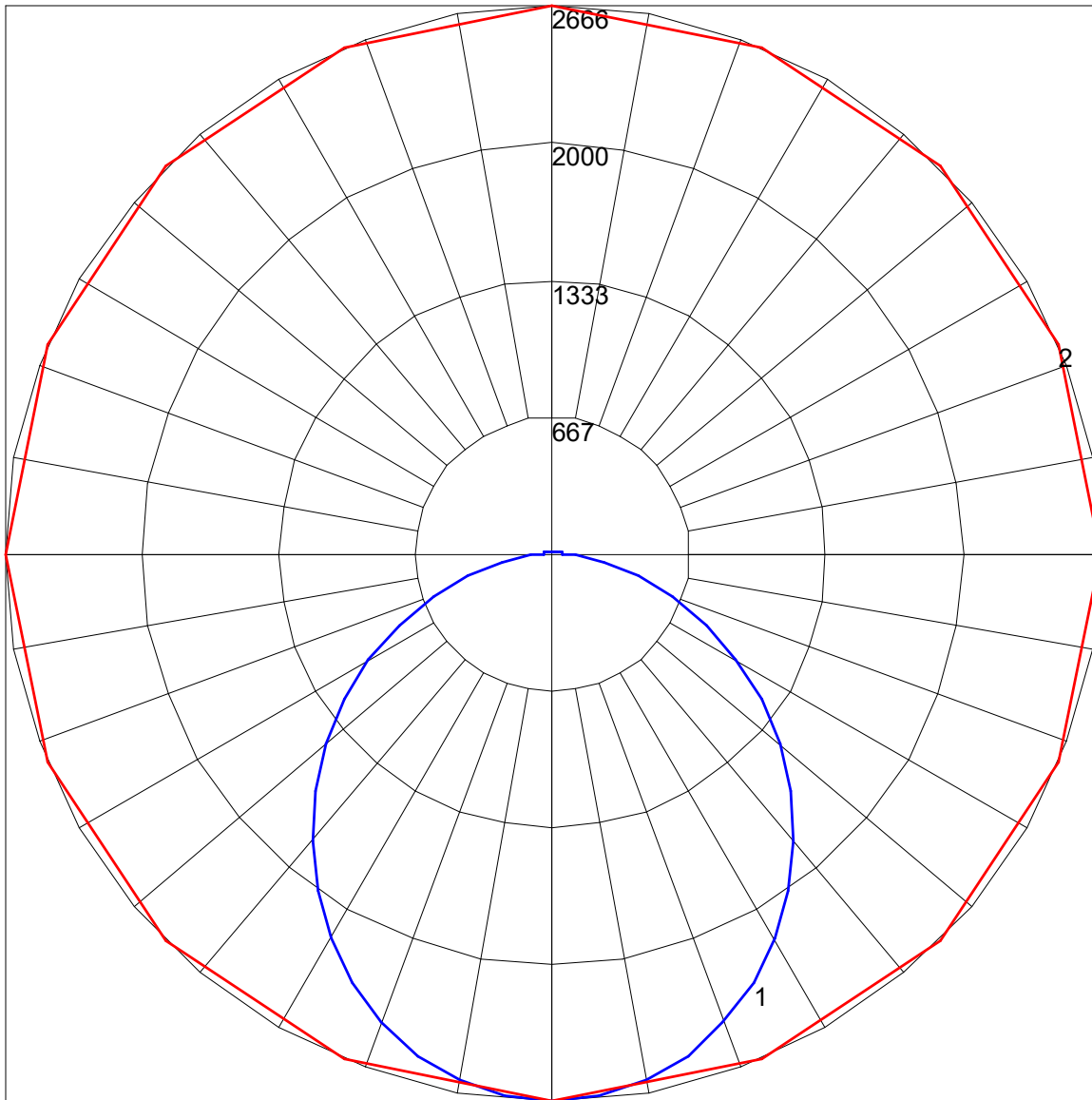
4H	2H	20.5	21.8	21.0	22.3	22.8	22.4	23.7	22.8	24.2	24.7
	3H	22.2	23.4	22.7	23.9	24.4	25.1	26.3	25.6	26.8	27.3
	4H	22.9	23.9	23.4	24.4	25.0	26.5	27.6	27.1	28.1	28.7
	6H	23.3	24.3	23.8	24.8	25.4	28.0	29.0	28.6	29.5	30.1
	8H	23.4	24.3	24.0	24.9	25.5	28.8	29.7	29.3	30.2	30.8
	12H	23.5	24.3	24.1	24.9	25.5	29.7	30.5	30.2	31.0	31.7

8H	4H	23.7	24.6	24.2	25.1	25.7	26.8	27.7	27.3	28.2	28.8
	6H	24.3	25.1	24.9	25.7	26.3	28.4	29.2	29.0	29.8	30.4
	8H	24.6	25.3	25.2	25.9	26.5	29.4	30.0	30.0	30.6	31.3
	12H	24.7	25.4	25.3	26.0	26.6	30.4	31.0	31.0	31.6	32.3

12H	4H	23.9	24.7	24.5	25.3	25.9	26.8	27.6	27.3	28.2	28.8
	6H	24.7	25.4	25.3	26.0	26.6	28.5	29.2	29.1	29.8	30.4
	8H	25.0	25.7	25.6	26.3	26.9	29.5	30.1	30.1	30.7	31.4

Maximum UGR = 32.3

POLAR GRAPH



Maximum Candela = 2666.329 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.)