

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-4-PS2-3C-M-65W-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-65W-50K- 19000021

[LUMINAIRE] BS3C-4-PS2-3C-M-65W-50K- 19000021

[LAMP] 9469 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	9469
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
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-50K- 19000021.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	18263	16374	16399
55	16784	14965	15371
65	14841	13668	14447
75	11904	12711	13768
85	7387	12512	13691

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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	2774.315	2774.315	2774.315	2774.315	2774.315
5	2759.307	2757.726	2758.555	2759.129	2764.394
10	2711.328	2716.305	2721.780	2715.862	2731.856
15	2632.978	2648.938	2657.333	2657.245	2681.897
20	2531.292	2554.297	2574.669	2577.114	2610.814
25	2400.683	2428.798	2476.168	2478.613	2524.390
30	2251.703	2284.077	2356.332	2366.507	2417.019
35	2085.470	2119.878	2213.845	2232.293	2294.008
40	1899.119	1942.806	2059.910	2092.582	2163.665
45	1705.313	1751.079	1894.042	1943.205	2018.568
50	1499.074	1553.258	1716.129	1784.304	1867.321
55	1289.397	1351.611	1536.247	1627.759	1709.891
60	1074.401	1151.711	1356.842	1466.304	1549.565
65	859.879	953.712	1182.513	1305.943	1387.180
70	648.730	772.604	1014.189	1147.352	1227.903
75	443.909	604.445	861.183	995.110	1072.222
80	259.293	457.600	717.391	854.614	923.175
85	114.572	334.712	587.148	721.207	785.444
90	47.945	237.029	472.543	599.512	660.244
95	43.654	156.114	372.803	492.971	549.123
100	39.529	75.375	206.404	399.591	449.748
105	33.844	55.776	47.558	35.171	155.682
110	29.287	35.935	113.388	86.169	14.069
115	22.408	16.601	77.963	158.458	198.086
120	8.340	5.021	50.600	113.255	145.750
125	5.564	5.110	27.296	75.452	101.200
130	10.220	13.106	11.701	44.772	64.303
135	12.012	10.352	8.030	22.552	35.426
140	9.788	6.149	7.621	10.153	14.986
145	8.273	4.745	7.377	9.147	9.666
150	6.935	5.574	6.846	8.317	8.527
155	6.415	5.519	3.705	7.609	7.576
160	6.381	5.452	5.486	3.717	3.407
165	6.868	5.994	5.574	5.751	3.816
170	7.919	7.543	5.662	5.917	5.652
175	8.273	7.996	6.548	6.161	5.928
180	8.000	8.000	8.000	8.000	8.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BS3C-4-PS2-3C-M-65W-50K- 19000021.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1011.49	N.A.	10.70
0-30	2146.17	N.A.	22.70
0-40	3516.58	N.A.	37.10
0-60	6300.61	N.A.	66.50
0-80	8287.57	N.A.	87.50
0-90	8864.91	N.A.	93.60
10-90	8602.78	N.A.	90.90
20-40	2505.09	N.A.	26.50
20-50	3942.82	N.A.	41.60
40-70	3916.97	N.A.	41.40
60-80	1986.96	N.A.	21.00
70-80	854.02	N.A.	9.00
80-90	577.34	N.A.	6.10
90-110	466.14	N.A.	4.90
90-120	542.44	N.A.	5.70
90-130	580.54	N.A.	6.10
90-150	598.81	N.A.	6.30
90-180	603.85	N.A.	6.40
110-180	137.71	N.A.	1.50
0-180	9468.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	262.13
10-20	749.36
20-30	1134.68
30-40	1370.41
40-50	1437.73
50-60	1346.3
60-70	1132.94
70-80	854.02
80-90	577.34
90-100	356.54
100-110	109.60
110-120	76.30
120-130	38.10
130-140	13.34
140-150	4.94
150-160	2.79
160-170	1.59
170-180	0.66

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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	19.6	21.1	20.0	21.6	22.0	22.0	23.6	22.5	24.0	24.5
	3H	21.1	22.5	21.5	22.9	23.4	24.6	26.0	25.0	26.4	26.9
	4H	21.6	22.9	22.0	23.4	23.9	25.8	27.2	26.3	27.6	28.1
	6H	21.9	23.1	22.4	23.6	24.1	27.1	28.4	27.6	28.9	29.4
	8H	21.9	23.2	22.4	23.7	24.2	27.8	29.0	28.3	29.5	30.0
	12H	22.0	23.2	22.5	23.6	24.2	28.5	29.7	29.0	30.2	30.7

### UGR Viewed Endwise

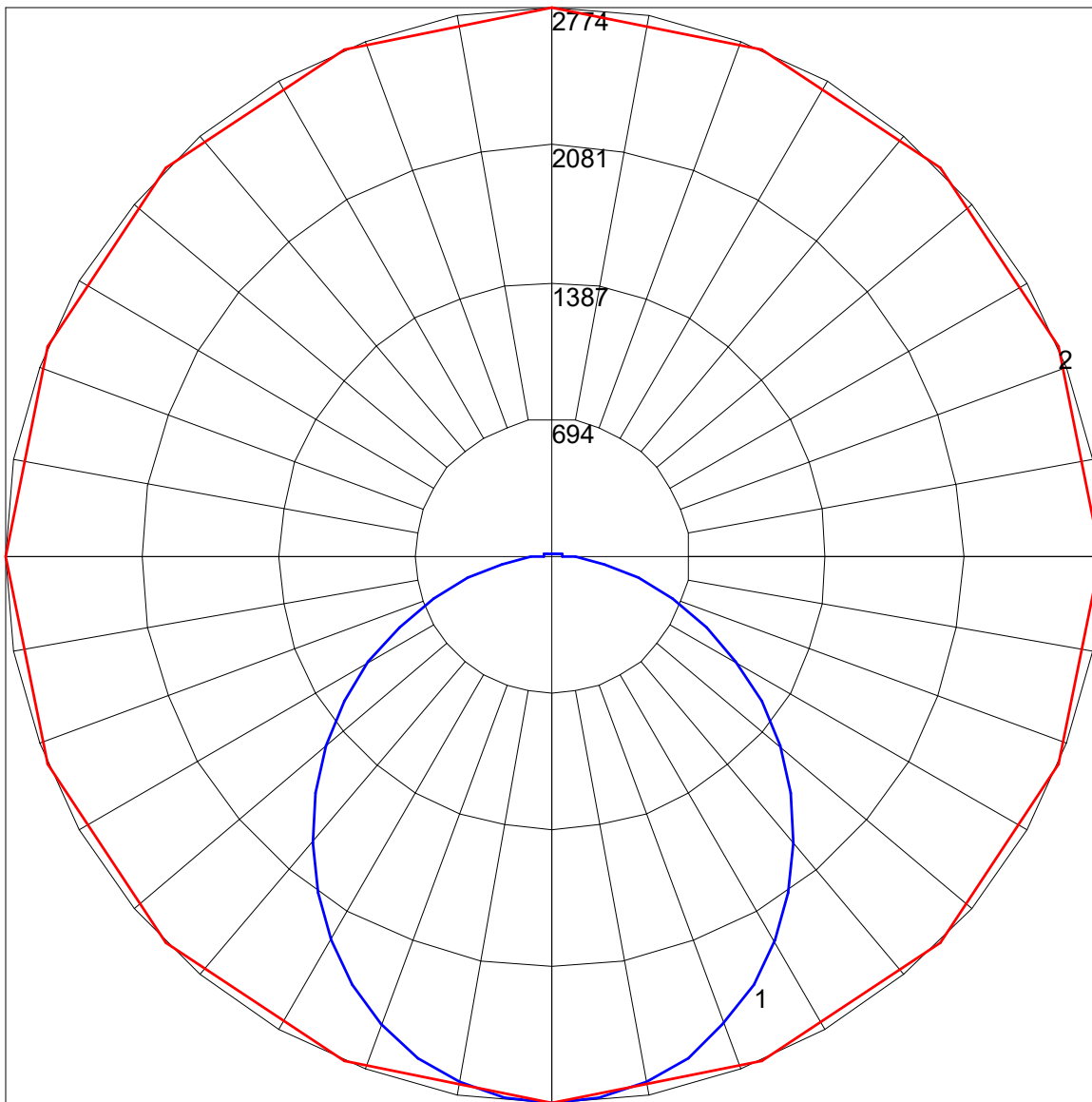
4H	2H	20.6	21.9	21.1	22.4	22.9	22.5	23.8	22.9	24.3	24.8
	3H	22.3	23.5	22.8	24.0	24.5	25.2	26.4	25.7	26.9	27.4
	4H	23.0	24.0	23.5	24.5	25.1	26.6	27.7	27.2	28.2	28.8
	6H	23.4	24.4	23.9	24.9	25.5	28.1	29.1	28.7	29.6	30.2
	8H	23.5	24.4	24.1	25.0	25.6	28.9	29.8	29.4	30.3	30.9
	12H	23.6	24.4	24.2	25.0	25.6	29.8	30.6	30.3	31.1	31.8

8H	4H	23.8	24.7	24.3	25.2	25.8	26.9	27.8	27.4	28.3	28.9
	6H	24.4	25.2	25.0	25.8	26.4	28.5	29.3	29.1	29.9	30.5
	8H	24.7	25.4	25.3	26.0	26.6	29.5	30.1	30.1	30.7	31.4
	12H	24.8	25.5	25.4	26.1	26.7	30.5	31.1	31.1	31.7	32.4

12H	4H	24.0	24.8	24.6	25.4	26.0	26.9	27.7	27.4	28.3	28.9
	6H	24.8	25.5	25.4	26.1	26.7	28.6	29.3	29.2	29.9	30.5
	8H	25.1	25.8	25.7	26.4	27.0	29.6	30.2	30.2	30.8	31.5

Maximum UGR = 32.4

POLAR GRAPH



Maximum Candela = 2774.315 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.)