

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-4-PS1-3C-M-42W-50K- 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-42W-50K- 19000020

[LUMINAIRE] BS3C-4-PS1-3C-M-42W-50K- 19000020

[LAMP] 6118 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	6118
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	42
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-42W-50K- 19000020.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11749	10629	10656
55	10861	9759	10004
65	9644	8922	9396
75	7731	8256	8913
85	4782	8081	8783

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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	1778.244	1778.244	1778.244	1778.244	1778.244
5	1769.506	1768.963	1769.945	1771.191	1775.716
10	1738.072	1744.444	1746.302	1748.299	1758.678
15	1690.651	1698.628	1710.090	1710.183	1728.572
20	1624.343	1638.011	1659.564	1659.829	1685.617
25	1540.872	1559.006	1594.330	1598.151	1627.992
30	1448.175	1468.251	1518.892	1526.257	1566.371
35	1339.238	1366.862	1431.703	1444.886	1486.801
40	1222.694	1254.288	1334.483	1354.106	1404.807
45	1097.122	1132.260	1229.551	1259.772	1311.661
50	966.274	1005.719	1116.065	1161.073	1215.825
55	834.411	879.766	1001.875	1058.508	1112.855
60	696.846	750.488	884.580	954.269	1009.470
65	558.737	623.265	771.901	849.821	902.218
70	420.732	504.078	661.637	745.525	796.559
75	288.280	394.505	559.383	644.333	694.132
80	168.988	298.069	464.771	548.971	594.971
85	74.169	217.297	379.209	460.500	503.858
90	29.898	153.323	303.102	380.652	421.817
95	27.208	101.169	238.931	312.152	349.011
100	24.668	48.436	131.379	251.502	284.471
105	21.205	35.254	34.088	23.029	98.214
110	18.205	22.453	71.237	55.617	11.152
115	13.634	10.124	48.644	98.352	123.425
120	4.906	2.966	31.249	69.955	89.925
125	3.128	3.036	16.750	45.989	61.874
130	6.026	7.976	7.192	26.862	38.752
135	7.284	6.176	4.872	13.125	21.021
140	5.876	4.121	4.537	6.141	8.796
145	5.171	3.186	4.260	5.322	5.587
150	4.236	3.302	3.994	4.699	4.872
155	3.972	3.128	2.170	4.202	4.330
160	3.832	3.186	3.012	2.102	2.009
165	3.855	3.394	3.175	3.198	2.436
170	4.087	4.099	3.233	3.383	3.325
175	4.386	4.236	3.740	3.383	3.521
180	3.000	3.000	3.000	3.000	3.000

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Zone	Lumens	%Lamp	%Fixt
0-20	650.08	N.A.	10.60
0-30	1380.52	N.A.	22.60
0-40	2265.6	N.A.	37.00
0-60	4072.66	N.A.	66.60
0-80	5364.85	N.A.	87.70
0-90	5736.25	N.A.	93.80
10-90	5567.99	N.A.	91.00
20-40	1615.52	N.A.	26.40
20-50	2546.98	N.A.	41.60
40-70	2544.98	N.A.	41.60
60-80	1292.19	N.A.	21.10
70-80	554.27	N.A.	9.10
80-90	371.39	N.A.	6.10
90-110	297.19	N.A.	4.90
90-120	344.78	N.A.	5.60
90-130	368.06	N.A.	6.00
90-150	379.01	N.A.	6.20
90-180	381.87	N.A.	6.20
110-180	84.68	N.A.	1.40
0-180	6118.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	168.26
10-20	481.82
20-30	730.44
30-40	885.08
40-50	931.46
50-60	875.60
60-70	737.92
70-80	554.27
80-90	371.39
90-100	227.17
100-110	70.02
110-120	47.59
120-130	23.28
130-140	7.99
140-150	2.96
150-160	1.61
160-170	0.90
170-180	0.35

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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	18.1	19.7	18.6	20.1	20.6	20.5	22.1	21.0	22.6	23.0
	3H	19.6	21.0	20.1	21.5	22.0	23.1	24.5	23.6	25.0	25.5
	4H	20.1	21.5	20.6	21.9	22.4	24.3	25.7	24.8	26.2	26.7
	6H	20.4	21.7	20.9	22.2	22.7	25.6	26.9	26.1	27.4	27.9
	8H	20.5	21.7	21.0	22.2	22.8	26.3	27.5	26.8	28.0	28.5
	12H	20.5	21.7	21.0	22.2	22.8	27.0	28.2	27.5	28.7	29.2

UGR Viewed Endwise

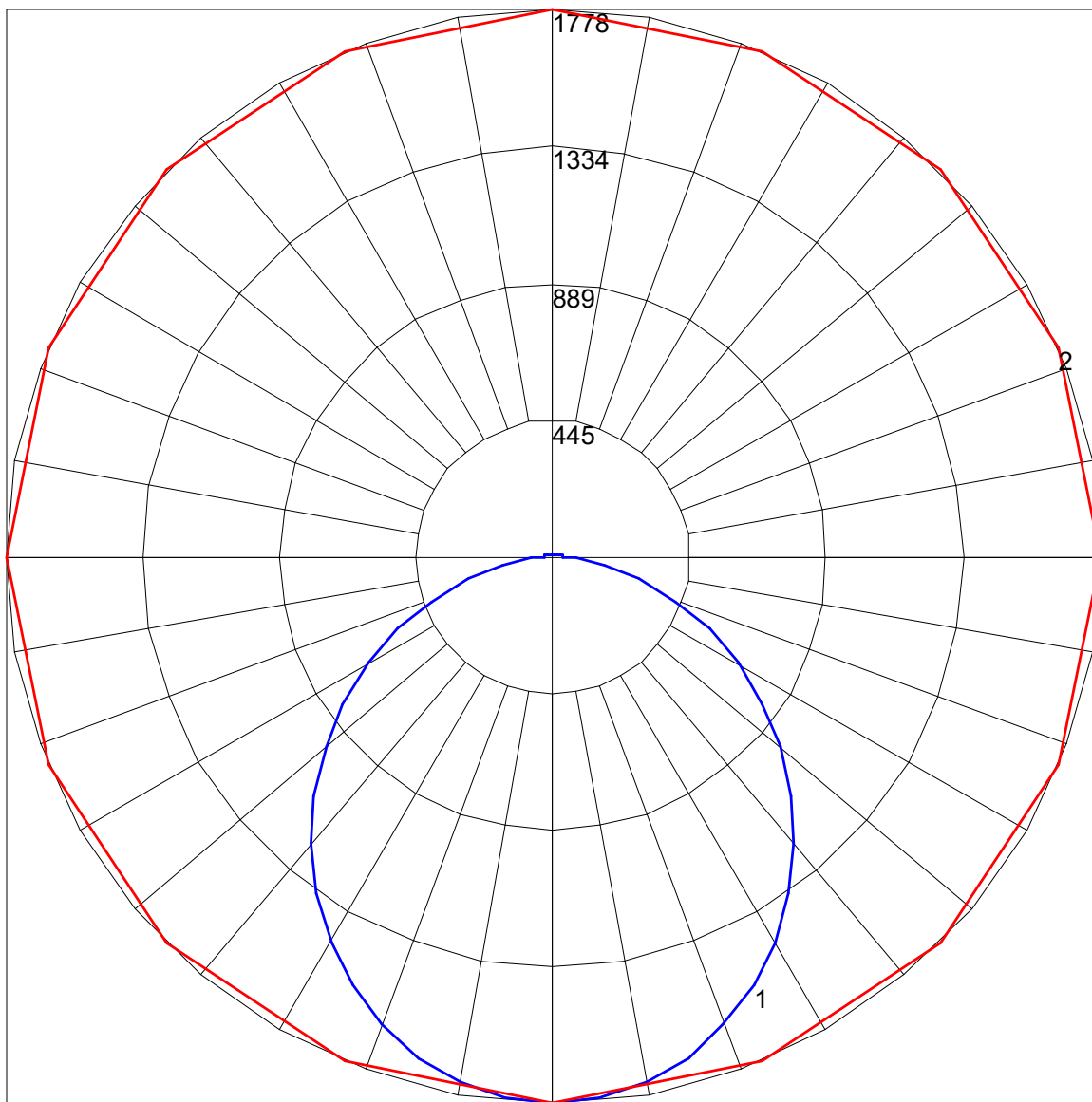
4H	2H	19.1	20.5	19.6	21.0	21.5	21.0	22.4	21.5	22.8	23.4
	3H	20.9	22.0	21.4	22.6	23.1	23.8	24.9	24.3	25.4	26.0
	4H	21.5	22.6	22.0	23.1	23.7	25.2	26.2	25.7	26.8	27.3
	6H	22.0	22.9	22.5	23.5	24.0	26.6	27.6	27.2	28.1	28.7
	8H	22.1	23.0	22.6	23.5	24.1	27.4	28.3	28.0	28.9	29.4
	12H	22.2	23.0	22.7	23.6	24.2	28.2	29.1	28.8	29.6	30.2

8H	4H	22.3	23.2	22.9	23.8	24.4	25.4	26.3	25.9	26.8	27.4
	6H	23.0	23.8	23.6	24.3	24.9	27.1	27.8	27.6	28.4	29.0
	8H	23.2	23.9	23.8	24.5	25.1	28.0	28.6	28.6	29.2	29.9
	12H	23.4	24.0	24.0	24.6	25.3	29.0	29.6	29.6	30.2	30.9

12H	4H	22.5	23.4	23.1	23.9	24.5	25.4	26.2	26.0	26.8	27.4
	6H	23.4	24.0	24.0	24.6	25.3	27.1	27.8	27.7	28.4	29.0
	8H	23.7	24.3	24.3	24.9	25.6	28.1	28.7	28.7	29.3	30.0

Maximum UGR = 30.9

POLAR GRAPH



Maximum Candela = 1778.244 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.)