

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-4-PS1-3C-M-35W-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-35W-50K- 19000020

[LUMINAIRE] BS3C-4-PS1-3C-M-35W-50K- 19000020

[LAMP] 5171 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	5171
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	35
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-35W-50K- 19000020.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9931	8984	9007
55	9180	8249	8456
65	8151	7541	7942
75	6534	6979	7534
85	4042	6830	7424

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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	1503.039	1503.039	1503.039	1503.039	1503.039
5	1495.653	1495.194	1496.024	1497.078	1500.903
10	1469.084	1474.470	1476.041	1477.729	1486.501
15	1429.002	1435.744	1445.432	1445.511	1461.055
20	1372.956	1384.509	1402.726	1402.950	1424.747
25	1302.403	1317.731	1347.588	1350.818	1376.040
30	1224.053	1241.021	1283.825	1290.050	1323.956
35	1131.975	1155.323	1210.130	1221.272	1256.700
40	1033.467	1060.172	1127.955	1144.542	1187.396
45	927.329	957.029	1039.263	1064.807	1108.665
50	816.731	850.072	943.340	981.383	1027.661
55	705.276	743.611	846.822	894.691	940.628
60	589.000	634.341	747.680	806.584	853.242
65	472.265	526.807	652.440	718.301	762.589
70	355.619	426.065	559.241	630.146	673.282
75	243.665	333.450	472.812	544.614	586.707
80	142.835	251.939	392.842	464.011	502.892
85	62.690	183.668	320.522	389.232	425.880
90	25.271	129.594	256.193	321.741	356.536
95	22.997	85.511	201.954	263.843	294.997
100	20.851	40.941	111.046	212.579	240.445
105	17.924	29.798	28.812	19.466	83.014
110	15.387	18.978	60.212	47.010	9.426
115	11.524	8.557	41.116	83.131	104.324
120	4.146	2.508	26.413	59.128	76.009
125	2.644	2.566	14.158	38.872	52.299
130	5.093	6.742	6.079	22.705	32.755
135	6.157	5.220	4.117	11.094	17.768
140	4.966	3.484	3.834	5.191	7.435
145	4.371	2.693	3.600	4.498	4.723
150	3.580	2.791	3.376	3.972	4.117
155	3.357	2.644	1.834	3.551	3.659
160	3.239	2.693	2.546	1.776	1.698
165	3.259	2.869	2.683	2.703	2.059
170	3.454	3.464	2.732	2.859	2.810
175	3.707	3.580	3.161	2.859	2.976
180	3.000	3.000	3.000	3.000	3.000

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Zone	Lumens	%Lamp	%Fixt
0-20	549.47	N.A.	10.60
0-30	1166.87	N.A.	22.60
0-40	1914.97	N.A.	37.00
0-60	3442.37	N.A.	66.60
0-80	4534.57	N.A.	87.70
0-90	4848.49	N.A.	93.80
10-90	4706.27	N.A.	91.00
20-40	1365.5	N.A.	26.40
20-50	2152.81	N.A.	41.60
40-70	2151.11	N.A.	41.60
60-80	1092.21	N.A.	21.10
70-80	468.49	N.A.	9.10
80-90	313.92	N.A.	6.10
90-110	251.20	N.A.	4.90
90-120	291.42	N.A.	5.60
90-130	311.10	N.A.	6.00
90-150	320.35	N.A.	6.20
90-180	322.77	N.A.	6.20
110-180	71.58	N.A.	1.40
0-180	5171.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	142.22
10-20	407.25
20-30	617.40
30-40	748.10
40-50	787.31
50-60	740.09
60-70	623.72
70-80	468.49
80-90	313.92
90-100	192.01
100-110	59.18
110-120	40.23
120-130	19.68
130-140	6.75
140-150	2.50
150-160	1.36
160-170	0.76
170-180	0.30

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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	17.5	19.1	18.0	19.5	20.0	19.9	21.5	20.4	22.0	22.4
	3H	19.0	20.4	19.5	20.9	21.4	22.5	23.9	23.0	24.4	24.9
	4H	19.5	20.9	20.0	21.3	21.8	23.7	25.1	24.2	25.6	26.1
	6H	19.8	21.1	20.3	21.6	22.1	25.0	26.3	25.5	26.8	27.3
	8H	19.9	21.1	20.4	21.6	22.2	25.7	26.9	26.2	27.4	27.9
	12H	19.9	21.1	20.4	21.6	22.2	26.4	27.6	26.9	28.1	28.6

UGR Viewed Endwise

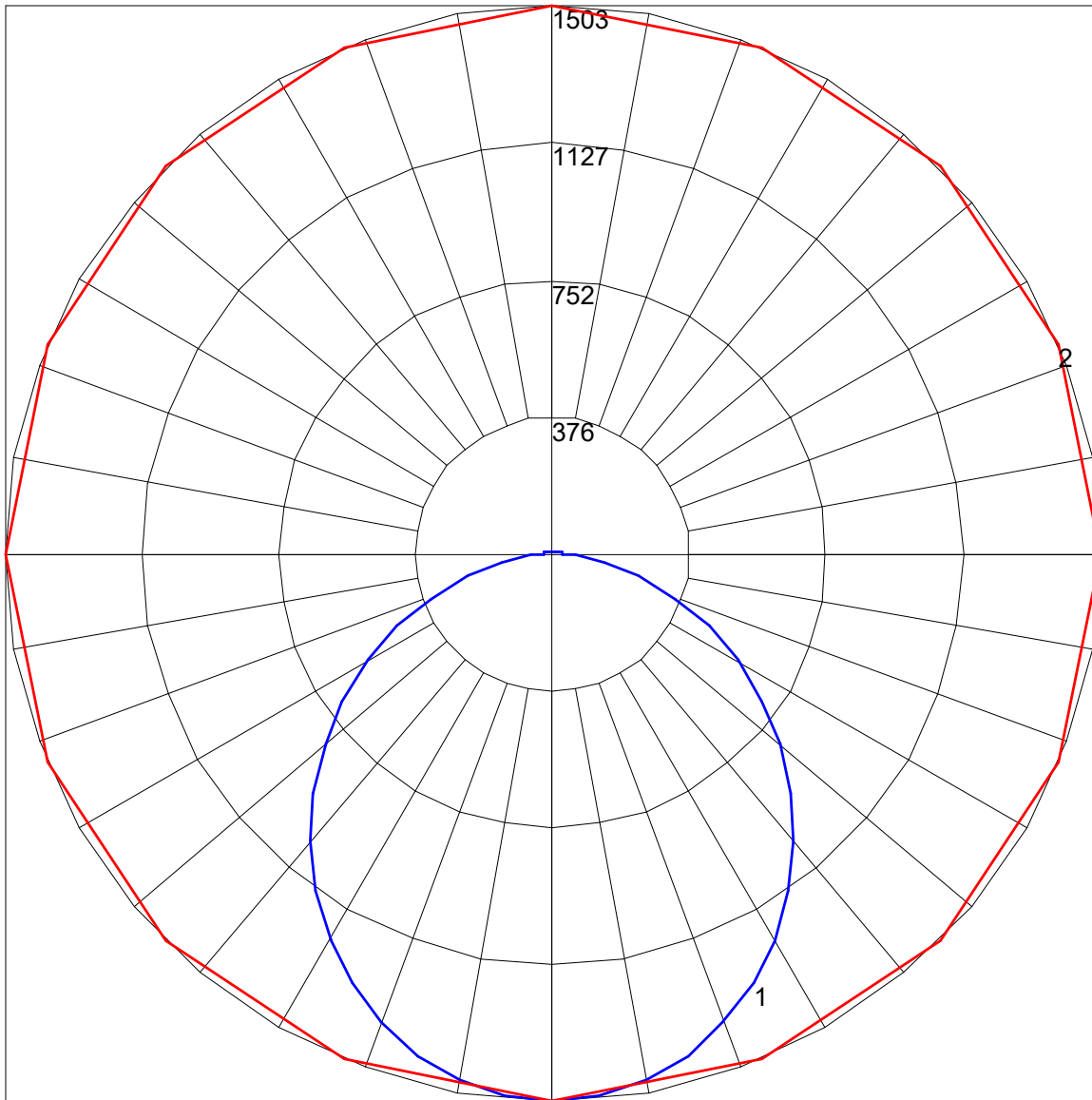
4H	2H	18.5	19.9	19.0	20.4	20.9	20.4	21.8	20.9	22.2	22.8
	3H	20.3	21.4	20.8	22.0	22.5	23.2	24.3	23.7	24.8	25.4
	4H	20.9	22.0	21.4	22.5	23.1	24.6	25.6	25.1	26.2	26.7
	6H	21.4	22.3	21.9	22.9	23.4	26.0	27.0	26.6	27.5	28.1
	8H	21.5	22.4	22.0	22.9	23.5	26.8	27.7	27.4	28.3	28.8
	12H	21.6	22.4	22.1	23.0	23.6	27.6	28.5	28.2	29.0	29.6

8H	4H	21.7	22.6	22.3	23.2	23.8	24.8	25.7	25.3	26.2	26.8
	6H	22.4	23.2	23.0	23.7	24.3	26.5	27.2	27.0	27.8	28.4
	8H	22.6	23.3	23.2	23.9	24.5	27.4	28.0	28.0	28.6	29.3
	12H	22.8	23.4	23.4	24.0	24.7	28.4	29.0	29.0	29.6	30.3

12H	4H	21.9	22.8	22.5	23.3	23.9	24.8	25.6	25.4	26.2	26.8
	6H	22.8	23.4	23.4	24.0	24.7	26.5	27.2	27.1	27.8	28.4
	8H	23.1	23.7	23.7	24.3	25.0	27.5	28.1	28.1	28.7	29.4

Maximum UGR = 30.3

POLAR GRAPH



Maximum Candela = 1503.039 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.)