LIGHT LABORATORY INC.
8165 E. Kaiser Blvd. Anaheim, CA 92808
p. 714.282.2270
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Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L101601206.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L101601206
[TESTLAB] LIGHT LABORATORY, INC.
[ISSUEDATE] 10/20/2016
[MANUFAC] BARTCO LIGHTING
[LUMCAT] BSS520-4-35-C48-WH, BSS520-4-35-CM48-WH, BSS5200
[LUMINAIRE] LED ROUND HOUSING
[BALLASTCAT] PHILIPS ADVANCE XI040C110V054BPT1
[LAMPPOSITION] 0,0
[LAMPCAT] N/A
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[INPUT] 120VAC, 31.80W
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3544
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	31.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.69 ft
Luminous Width (90-270)	0.27 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10044	11418	12441
55	8826	10783	11950
65	7662	10369	11621
75	6548	11177	12761
85	6688	20063	24521

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0	1182	1182	1182	1182	1182
5	1174	1176	1175	1178	1179
10	1151	1154	1158	1163	1165
15	1114	1118	1128	1138	1141
20	1061	1071	1087	1104	1111
25	1000	1012	1036	1061	1070
30	925	939	975	1010	1020
35	841	860	907	948	960
40	749	775	830	877	891
45	658	686	748	799	815
50	564	593	661	714	726
55	469	503	573	622	635
60	380	417	489	533	543
65	300	322	406	446	455
70	224	262	332	366	374
75	157	197	268	299	306
80	96	142	210	239	247
85	54	97	162	191	198
90	12	64	124	152	160
95	1	41	93	120	128
100	0	24	73	94	102
105	0	15	51	74	81
110	0	9	36	57	64
115	0	6	26	43	50
120	0	4	18	32	37
125	0	0	13	23	28
130	0	0	9	17	20
135	0	0	7	12	14
140	0	0	6	9	10
145	0	0	5	7	8
150	0	0	0	6	6
155	0	0	0	5	5
160	0	0	0	0	0
165	0	0	0	0	0
170	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	429.86	N.A.	12.10
0-30	906.91	N.A.	25.60
0-40	1471.99	N.A.	41.50
0-60	2548.49	N.A.	71.90
0-80	3201.11	N.A.	90.30
0-90	3360.63	N.A.	94.80
10-90	3248.92	N.A.	91.70
20-40	1042.13	N.A.	29.40
20-50	1614.44	N.A.	45.60
40-70	1464.21	N.A.	41.30
60-80	652.63	N.A.	18.40
70-80	264.92	N.A.	7.50
80-90	159.51	N.A.	4.50
90-110	137.85	N.A.	3.90
90-120	163.15	N.A.	4.60
90-130	174.90	N.A.	4.90
90-150	182.58	N.A.	5.20
90-180	183.30	N.A.	5.20
110-180	45.45	N.A.	1.30
0-180	3543.93	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	111.71
10-20	318.15
20-30	477.05
30-40	565.08
40-50	572.31
50-60	504.19
60-70	387.71
70-80	264.92
80-90	159.51
90-100	89.04
100-110	48.81
110-120	25.30
120-130	11.75
130-140	5.26
140-150	2.42
150-160	0.72
160-170	0.00
170-180	0.00

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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	103	103	103	97	97	97	95
1	106	101	97	92	103	98	94	90	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	73	81	76	71	77	73	69	73	70	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	58	65	60	56	54
4	81	68	59	53	78	67	58	52	64	56	51	61	54	49	58	53	48	46
5	74	61	52	45	72	60	51	45	57	50	44	54	48	43	52	46	42	40
6	68	55	46	40	66	54	45	39	51	44	38	49	43	38	47	41	37	35
7	64	50	41	35	61	49	41	35	47	39	34	45	38	33	43	37	33	31
8	59	46	37	31	57	45	37	31	43	36	30	41	35	30	40	34	29	27
9	55	42	34	28	54	41	33	28	39	32	27	38	32	27	37	31	27	25
10	52	39	31	25	50	38	30	25	37	30	25	35	29	25	34	28	24	22

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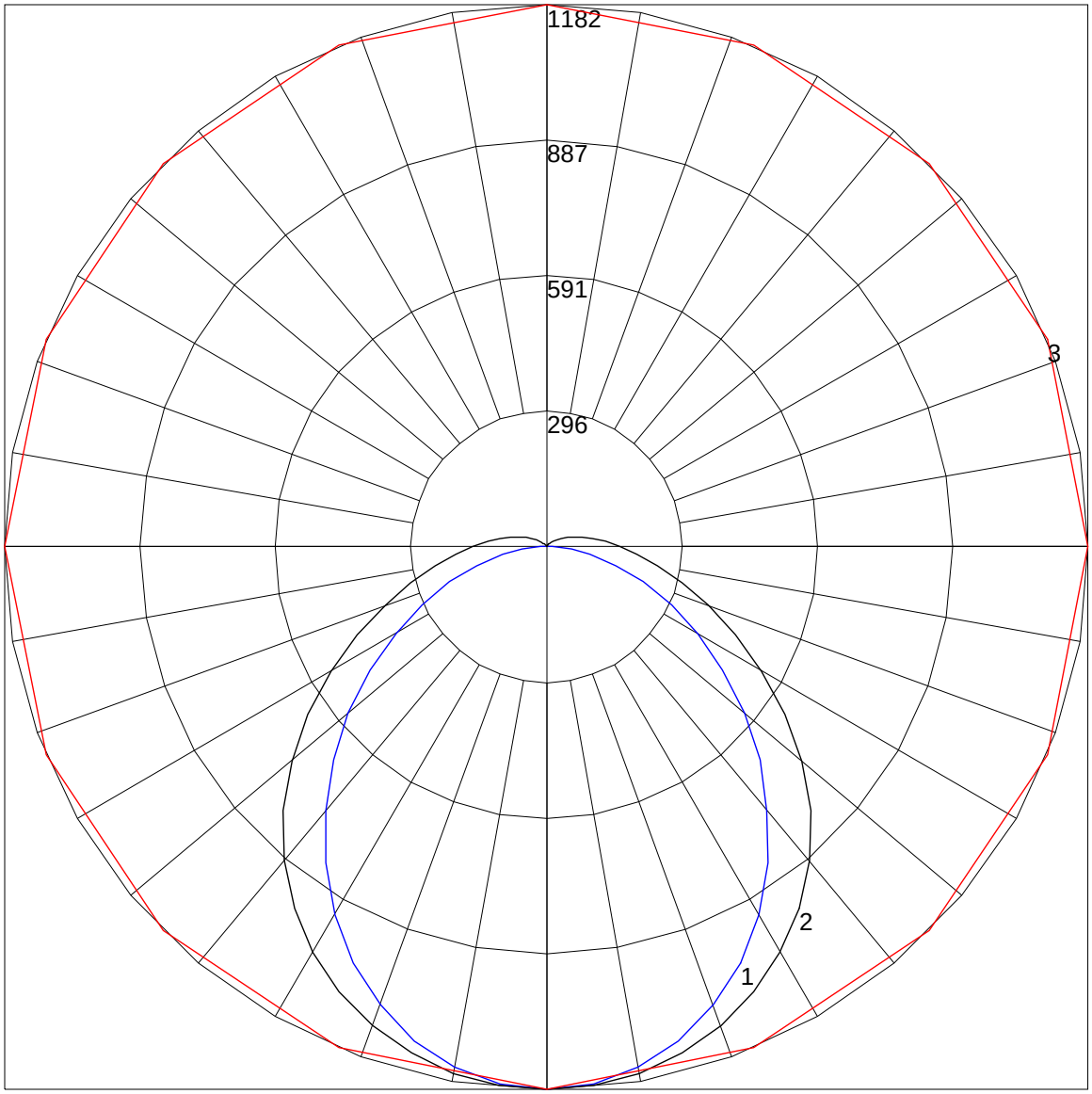
POLAR GRAPH



Maximum Candela = 1182 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)