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Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L081505201R01.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L081505201R01
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUEDATE] 8/19/2015
 [MANUFAC] BARTCO LIGHTING
 [LUMCAT] BSS205
 [LUMINAIRE] LINEAR LED LUMINAIRE FOR GENERAL ILLUMINATION
 [MORE] SIZE: 45"L X 1.75"W X 3"H
 [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, 31.73W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3629
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	31.73
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.71 ft
Luminous Width (90-270)	0.15 ft
Luminous Height	0.08 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	18699	12503	9624
55	19251	10990	7152
65	20672	9833	5119
75	24116	8665	3146
85	43224	7802	1281

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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	1075	1075	1075	1075	1075
5	1078	1076	1076	1069	1065
10	1060	1057	1057	1049	1040
15	1023	1021	1021	1012	999
20	973	972	971	962	945
25	917	914	910	899	877
30	860	855	844	827	800
35	805	795	774	749	717
40	752	738	705	669	629
45	699	681	637	588	540
50	646	625	571	511	455
55	589	567	509	437	374
60	533	512	452	373	304
65	473	455	396	313	240
70	410	395	339	254	200
75	349	337	286	189	126
80	293	284	237	144	80
85	243	234	193	115	41
90	201	193	156	83	119
95	183	176	143	77	110
100	170	163	132	73	102
105	159	152	123	72	71
110	149	141	114	67	66
115	139	132	106	62	61
120	130	122	97	57	56
125	120	113	89	52	52
130	110	103	81	45	47
135	100	93	72	39	43
140	89	83	63	34	39
145	77	72	55	33	14
150	65	60	47	23	13
155	53	48	37	19	13
160	40	36	28	17	12
165	28	27	22	14	11
170	21	20	16	12	11
175	14	13	12	11	11
180	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	387.87	N.A.	10.70
0-30	804.81	N.A.	22.20
0-40	1287.03	N.A.	35.50
0-60	2223.11	N.A.	61.30
0-80	2880.55	N.A.	79.40
0-90	3072.2	N.A.	84.70
10-90	2970.46	N.A.	81.90
20-40	899.16	N.A.	24.80
20-50	1387.41	N.A.	38.20
40-70	1313.28	N.A.	36.20
60-80	657.44	N.A.	18.10
70-80	280.24	N.A.	7.70
80-90	191.65	N.A.	5.30
90-110	271.62	N.A.	7.50
90-120	370.87	N.A.	10.20
90-130	447.04	N.A.	12.30
90-150	533.07	N.A.	14.70
90-180	556.38	N.A.	15.30
110-180	284.75	N.A.	7.80
0-180	3628.58	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	101.75
10-20	286.13
20-30	416.94
30-40	482.22
40-50	488.25
50-60	447.83
60-70	377.20
70-80	280.24
80-90	191.65
90-100	148.75
100-110	122.87
110-120	99.25
120-130	76.17
130-140	53.50
140-150	32.54
150-160	16.08
160-170	6.08
170-180	1.15

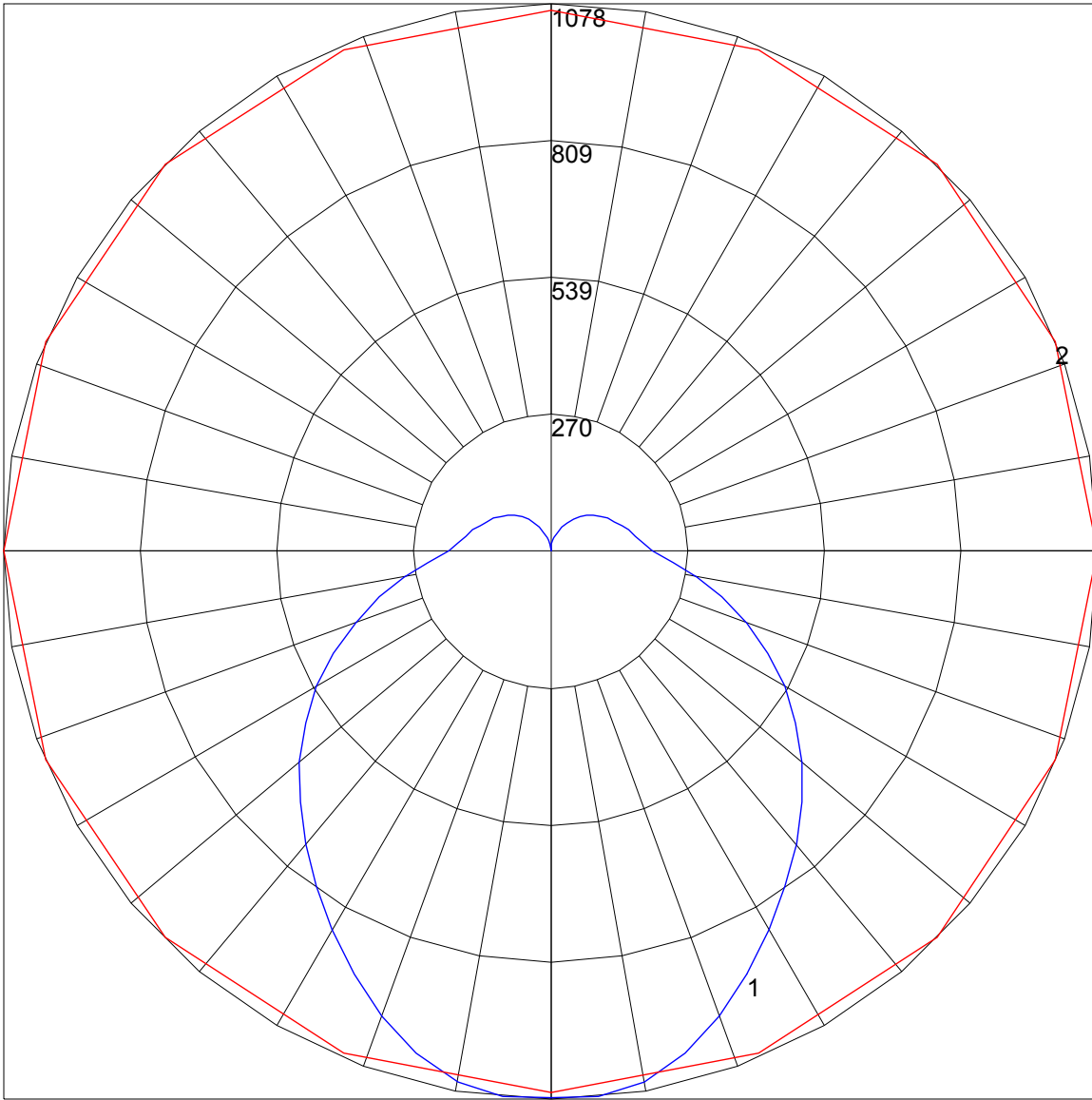
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	115	115	115	111	111	111	111	103	103	103	95	95	95	88	88	88	85
1	104	98	93	89	99	94	90	86	87	84	81	81	78	75	75	73	71	67
2	94	85	78	72	90	82	75	70	76	70	66	70	66	62	65	61	58	55
3	85	74	66	59	81	72	64	58	66	60	55	62	56	52	57	53	49	46
4	78	66	57	50	75	63	55	49	59	52	46	55	49	44	51	46	42	39
5	72	59	50	43	69	57	48	42	53	46	40	49	43	38	46	41	37	34
6	66	53	44	37	63	51	43	37	48	40	35	45	38	34	42	36	32	30
7	61	48	39	33	59	46	38	32	43	36	31	41	34	30	38	33	29	26
8	57	44	35	29	55	42	34	29	40	33	28	37	31	27	35	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	34	28	24	32	27	23	21
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	30	25	21	19

POLAR GRAPH



Maximum Candela = 1078 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)