



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-70L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8937
[TESTLAB] LSI INDUSTRIES, INC
[ISSUE DATE] 05/24/17
[TEST DATE] 05/24/17
[MANUFACT] LSI INDUSTRIES, INC
[LUMCAT] LPEC14-LED-70L-40
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7077
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	55.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5213	6171	6931
55	4926	6309	7490
65	4618	6431	8022
75	4124	6503	8081
85	3732	6169	5707

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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>
0.0	2049	2049	2049	2049	2049
2.5	2087	2064	2048	2035	2024
5.0	2086	2064	2049	2037	2026
7.5	2081	2060	2049	2039	2029
10.0	2069	2051	2044	2041	2033
12.5	2052	2037	2037	2038	2034
15.0	2034	2022	2030	2039	2038
17.5	2005	1998	2015	2034	2037
20.0	1974	1972	2001	2031	2037
22.5	1934	1938	1982	2023	2034
25.0	1888	1902	1960	2013	2028
27.5	1839	1861	1935	2000	2018
30.0	1784	1815	1904	1983	2005
32.5	1724	1764	1868	1959	1986
35.0	1662	1708	1828	1933	1963
37.5	1593	1648	1783	1903	1934
40.0	1523	1585	1734	1865	1902
42.5	1451	1517	1680	1824	1865
45.0	1371	1448	1623	1778	1823
47.5	1293	1370	1561	1726	1774
50.0	1215	1294	1494	1671	1723
52.5	1131	1216	1423	1607	1664
55.0	1051	1135	1346	1539	1598
57.5	971	1054	1269	1464	1520
60.0	890	970	1187	1383	1440
62.5	808	886	1101	1296	1355
65.0	726	799	1011	1206	1261
67.5	640	711	919	1106	1157
70.0	559	622	823	1002	1044
72.5	475	535	726	886	921
75.0	397	451	626	763	778
77.5	321	372	526	629	628
80.0	251	295	422	483	475
82.5	186	220	311	340	325
85.0	121	149	200	201	185
87.5	65	79	94	82	74
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	769.92	N.A.	10.90
0-30	1673.65	N.A.	23.60
0-40	2812.94	N.A.	39.70
0-60	5249.47	N.A.	74.20
0-80	6877.26	N.A.	97.20
0-90	7076.92	N.A.	100.00
10-90	6881.24	N.A.	97.20
20-40	2043.01	N.A.	28.90
20-50	3285.74	N.A.	46.40
40-70	3425.94	N.A.	48.40
60-80	1627.79	N.A.	23.00
70-80	638.39	N.A.	9.00
80-90	199.66	N.A.	2.80
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	7076.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	195.68
10-20	574.24
20-30	903.73
30-40	1139.28
40-50	1242.73
50-60	1193.8
60-70	989.40
70-80	638.39
80-90	199.66
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

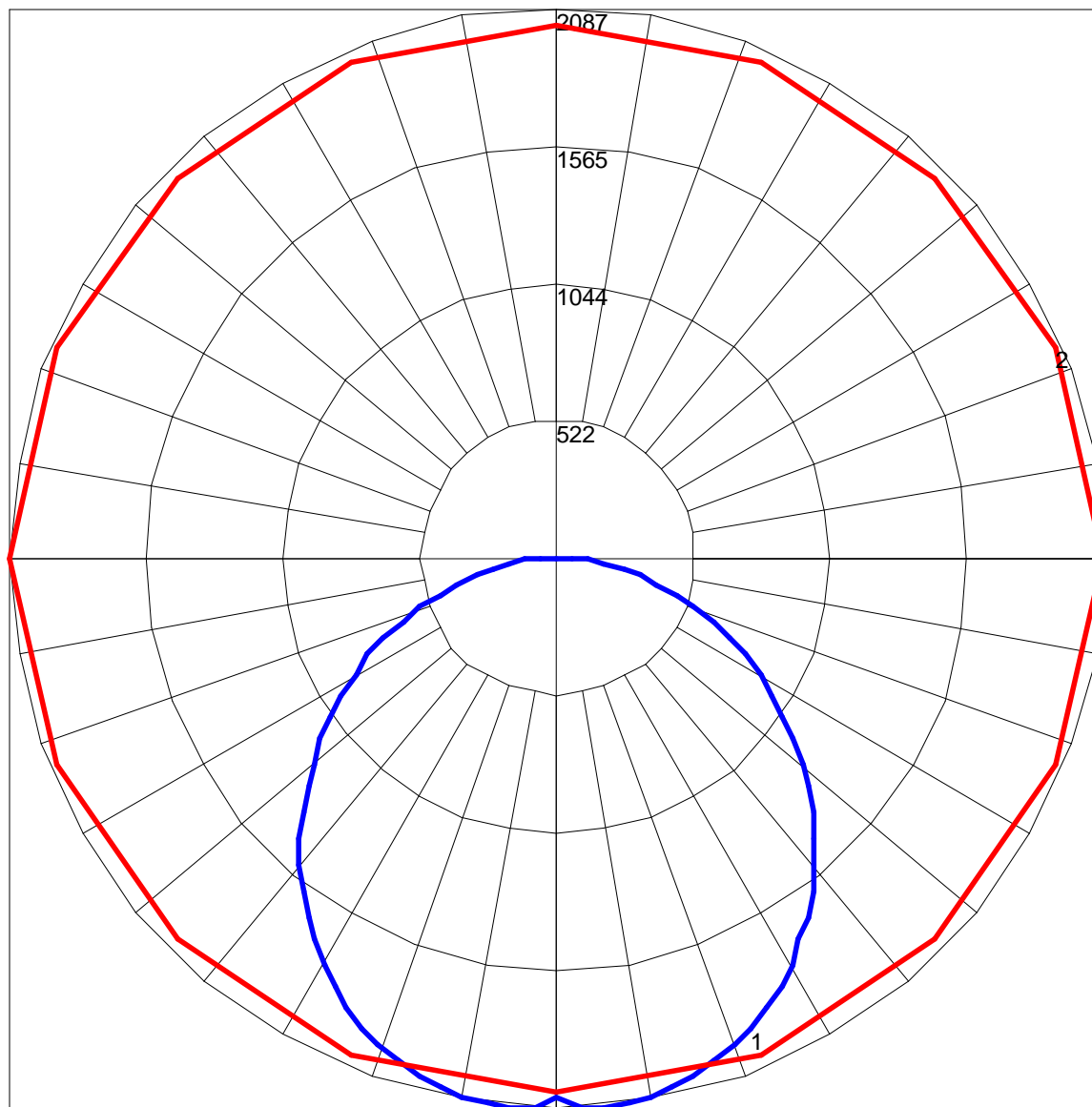
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	102	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82
2	97	88	81	75	95	86	80	74	83	77	72	79	75	70	76	72	69	67
3	88	77	68	61	86	75	67	61	72	65	60	69	63	58	67	62	57	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	49	46
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	44	38	66	53	44	38	51	43	37	49	42	37	48	41	37	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	35	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27
9	54	40	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	28	24	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 2087 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)