



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-70L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8816
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]04/25/17
[TEST DATE]04/25/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC22-LED-70L-40
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCE TYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7113
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	58.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.98 ft
Luminous Width (90-270)	1.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5226	6189	7078
55	4786	6246	7696
65	4255	6301	8594
75	3670	6545	10087
85	2709	6552	10237

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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	2128	2128	2128	2128	2128
2.5	2162	2150	2128	2111	2105
5.0	2160	2150	2130	2115	2109
7.5	2152	2143	2126	2114	2109
10.0	2139	2132	2120	2112	2109
12.5	2119	2115	2110	2108	2109
15.0	2093	2092	2095	2101	2105
17.5	2063	2067	2078	2092	2098
20.0	2026	2035	2057	2081	2091
22.5	1985	1997	2032	2066	2081
25.0	1936	1955	2002	2048	2068
27.5	1881	1905	1967	2027	2051
30.0	1820	1850	1927	2002	2032
32.5	1748	1790	1882	1972	2007
35.0	1675	1721	1833	1937	1978
37.5	1597	1649	1777	1898	1945
40.0	1514	1576	1720	1856	1909
42.5	1429	1497	1656	1809	1868
45.0	1346	1418	1594	1760	1823
47.5	1261	1336	1526	1707	1774
50.0	1174	1253	1456	1649	1722
52.5	1086	1167	1381	1587	1666
55.0	1000	1082	1305	1523	1608
57.5	914	994	1223	1454	1543
60.0	825	909	1142	1383	1474
62.5	736	818	1059	1305	1400
65.0	655	734	970	1225	1323
67.5	574	649	884	1138	1233
70.0	494	566	796	1049	1147
72.5	418	485	705	956	1055
75.0	346	405	617	859	951
77.5	272	325	521	745	833
80.0	203	254	424	623	696
82.5	143	182	322	469	521
85.0	86	113	208	293	325
87.5	37	47	91	122	126
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	795.93	N.A.	11.20
0-30	1718.96	N.A.	24.20
0-40	2863.56	N.A.	40.30
0-60	5254.41	N.A.	73.90
0-80	6886.02	N.A.	96.80
0-90	7113.27	N.A.	100.00
10-90	6910.11	N.A.	97.10
20-40	2067.62	N.A.	29.10
20-50	3293.7	N.A.	46.30
40-70	3359.62	N.A.	47.20
60-80	1631.61	N.A.	22.90
70-80	662.84	N.A.	9.30
80-90	227.25	N.A.	3.20
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	7113.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	203.15
10-20	592.78
20-30	923.03
30-40	1144.59
40-50	1226.08
50-60	1164.77
60-70	968.77
70-80	662.84
80-90	227.25
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

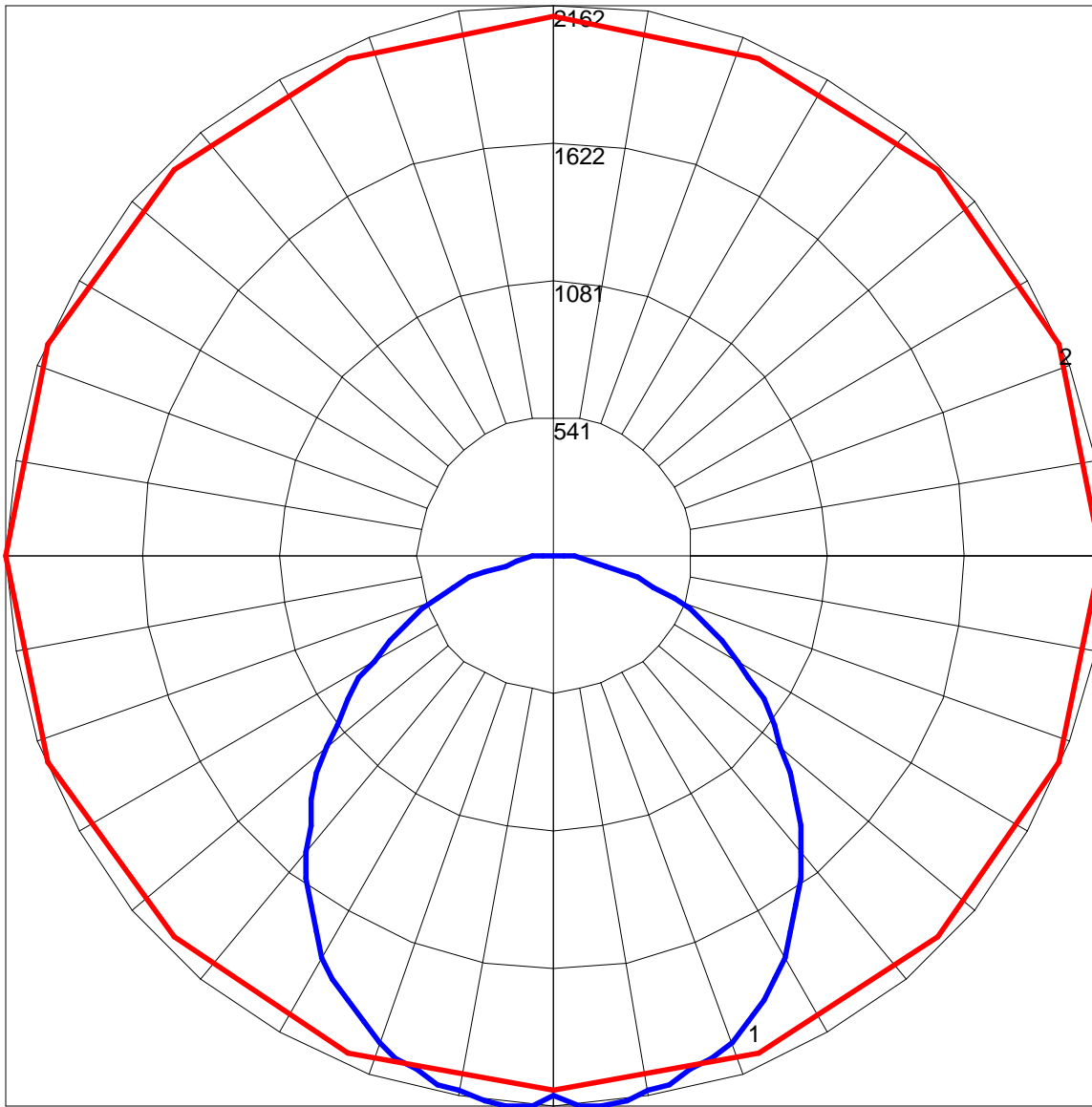
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	93	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	97	88	81	75	94	86	79	74	83	77	72	79	75	70	76	72	69	66
3	88	77	68	61	86	75	67	61	72	65	59	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	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	42	37	35
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	44	37	32	30
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	55	41	32	27	53	40	32	26	39	31	26	38	31	26	37	31	26	24
10	51	38	29	24	50	37	29	24	36	29	24	35	28	24	34	28	24	22

POLAR GRAPH



Maximum Candela = 2162 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.)