

Photometric

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LSC2-70.IES

CHARACTERISTICS

Lumens Per Lamp	8129.92 (1 lamp)
Total Lamp Lumens	8129.92
Luminaire Lumens	8130
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	65.93
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.82
Spacing Criterion (90-270)	1.74
Spacing Criterion (Diagonal)	1.90
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.21 m
Luminous Width (90-270)	0.21 m
Luminous Height	0.02 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	48200	47950	46248
55	55993	52150	51377
65	61289	54390	54619
75	61087	55872	57604
85	48304	40785	52403

**IES INDOOR REPORT
PHOTOMETRIC FILENAME : LSC2-70.IES**

CANDELA TABULATION

	<u>0</u>	<u>15</u>	<u>30</u>	<u>45</u>	<u>60</u>	<u>75</u>	<u>90</u>
0	1381.665	1381.665	1381.665	1381.665	1381.665	1381.665	1381.665
5	1381.206	1381.443	1378.004	1387.335	1369.676	1361.683	1359.608
10	1508.065	1496.582	1449.389	1427.479	1409.821	1380.735	1371.519
15	1586.203	1583.277	1558.415	1529.539	1458.927	1410.804	1395.782
20	1695.137	1694.286	1627.291	1600.981	1572.713	1469.293	1442.985
25	1787.064	1759.892	1763.209	1650.196	1640.087	1547.525	1530.772
30	1725.473	1728.233	1693.203	1698.732	1643.244	1612.388	1569.152
35	1801.773	1758.746	1702.998	1682.856	1661.296	1651.182	1599.150
40	1734.206	1728.908	1735.602	1661.310	1686.560	1648.757	1589.003
45	1646.875	1711.032	1686.817	1697.371	1685.672	1640.828	1580.181
50	1606.887	1620.662	1629.811	1642.032	1611.008	1593.846	1550.183
55	1609.645	1566.984	1567.099	1573.538	1566.843	1507.422	1476.953
60	1454.288	1469.971	1456.243	1453.561	1438.512	1414.690	1368.872
65	1376.150	1339.692	1305.714	1307.048	1280.644	1272.020	1226.382
70	1099.449	1136.009	1164.562	1129.237	1108.074	1096.534	1070.658
75	945.471	917.447	957.716	958.683	941.990	910.668	891.554
80	692.212	699.549	782.517	755.471	732.126	711.053	692.597
85	387.933	451.866	411.896	398.261	402.972	410.928	420.852
90	159.953	154.593	165.115	169.193	160.955	154.770	181.752
95	137.431	135.093	125.668	107.276	119.631	133.082	130.579
100	223.843	208.033	169.669	110.225	148.451	180.333	193.221
105	122.263	110.781	81.651	67.813	86.853	117.737	133.667
110	85.033	77.753	56.332	37.195	49.403	71.068	85.582
115	54.697	51.147	33.069	22.680	29.553	43.956	48.967
120	39.988	39.221	25.772	13.835	24.140	36.561	39.262
125	36.311	31.653	17.104	9.526	13.986	25.111	29.116
130	22.522	16.285	9.806	5.897	9.471	14.351	18.969
135	10.572	9.404	5.930	2.268	4.737	8.969	10.146
140	6.895	5.046	3.193	2.495	2.708	4.262	4.853
145	2.758	2.752	2.737	2.722	2.255	2.242	2.206
150	2.758	2.752	2.737	2.722	2.707	2.691	2.647
155	3.677	3.211	3.193	2.722	2.707	2.691	3.529
160	4.596	4.587	4.561	4.536	4.511	4.485	4.411
165	4.596	4.587	4.561	4.990	4.511	4.930	4.411
170	6.435	6.422	6.386	6.350	6.315	6.279	6.176
175	6.435	6.422	6.386	6.350	6.315	6.279	6.176
180	3.169	3.169	3.169	3.169	3.169	3.169	3.169

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LSC2-70.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	562.80	6.90	6.90
0-30	1327.34	16.30	16.30
0-40	2386.56	29.40	29.40
0-60	5053.31	62.20	62.20
0-80	7314.74	90.00	90.00
0-90	7782.82	95.70	95.70
10-90	7649.39	94.10	94.10
20-40	1823.77	22.40	22.40
20-50	3109.66	38.20	38.20
40-70	3946.29	48.50	48.50
60-80	2261.43	27.80	27.80
70-80	981.88	12.10	12.10
80-90	468.08	5.80	5.80
90-110	273.98	3.40	3.40
90-120	316.36	3.90	3.90
90-130	335.76	4.10	4.10
90-150	343.61	4.20	4.20
90-180	347.11	4.30	4.30
110-180	73.13	0.90	0.90
0-180	8129.92	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	133.43
10-20	429.37
20-30	764.54
30-40	1059.23
40-50	1285.89
50-60	1380.85
60-70	1279.55
70-80	981.88
80-90	468.08
90-100	159.57
100-110	114.41
110-120	42.38
120-130	19.40
130-140	5.99
140-150	1.85
150-160	1.52
160-170	1.41
170-180	0.57

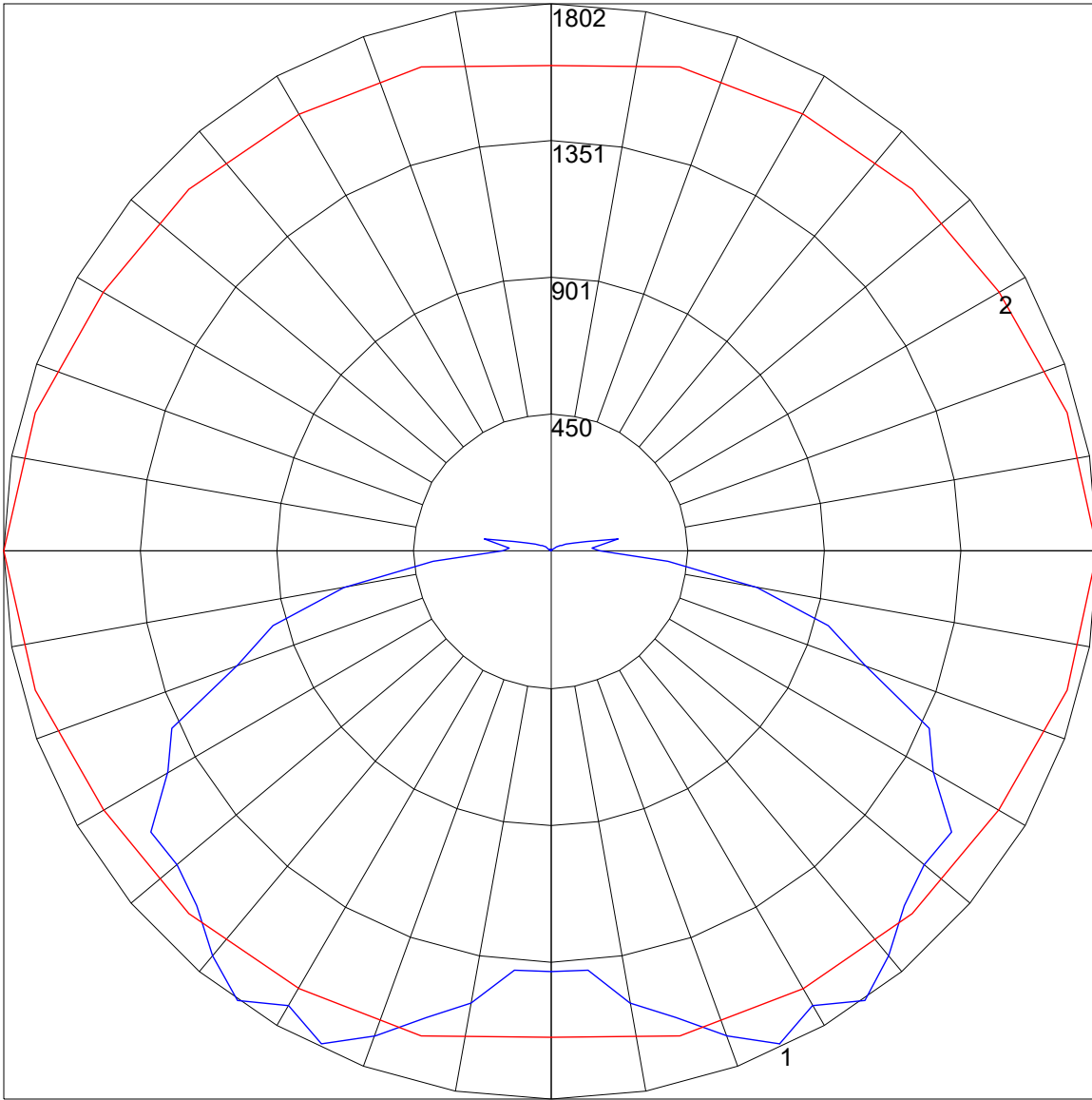
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LSC2-70.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	105	99	93	88	101	96	91	86	91	87	83	86	83	79	81	79	76	74
2	93	83	75	68	90	81	73	67	77	70	65	73	67	63	69	64	60	58
3	84	72	62	54	81	70	61	54	66	58	52	62	56	50	59	54	49	46
4	76	62	52	44	73	61	51	44	57	49	43	54	47	42	52	46	41	38
5	69	55	45	37	67	53	44	37	51	42	36	48	41	35	46	39	34	32
6	63	49	39	32	61	47	38	31	45	37	31	43	36	30	41	34	29	27
7	58	44	34	27	56	43	33	27	41	32	26	39	31	26	37	30	25	23
8	54	39	30	24	52	39	30	24	37	29	23	35	28	23	34	27	22	20
9	50	36	27	21	49	35	27	21	34	26	21	32	25	20	31	24	20	18
10	47	33	24	19	45	32	24	19	31	23	18	30	23	18	28	22	18	16

POLAR GRAPH



Maximum Candela = 1801.773 Located At Horizontal Angle = 0, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)