



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC14-LED-35L-35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-8960\_Scaled  
[TESTLAB] LSI INDUSTRIES, INC  
[ISSUEDATE] 07/10/17  
[TESTDATE] 05/25/17  
[MANUFAC] LSI INDUSTRIES, INC  
[LUMCAT] LPEC14-LED-35L-35  
[\_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[OTHER]SCALED FROM ORIGINAL TEST DATA  
[\_SEARCH\_SOURCETYPE] LED  
[\_SEARCH\_APPLICATION] Indoor

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3365
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	28.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.46
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	2501	2951	3307
55	2351	3006	3545
65	2186	3044	3787
75	1981	3040	3672
85	1725	2739	2536

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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>
<b>0.0</b>	984.966	984.966	984.966	984.966	984.966
<b>2.5</b>	1004.698	993.187	986.610	978.388	973.455
<b>5.0</b>	1004.698	993.187	986.610	980.033	976.744
<b>7.5</b>	1001.409	991.543	986.610	981.677	976.744
<b>10.0</b>	996.476	986.610	984.966	981.677	976.744
<b>12.5</b>	986.610	978.388	978.388	980.033	976.744
<b>15.0</b>	976.744	970.167	975.100	978.388	980.033
<b>17.5</b>	963.589	960.300	968.522	978.388	978.388
<b>20.0</b>	947.146	947.146	960.300	976.744	978.388
<b>22.5</b>	929.058	930.702	950.434	971.811	973.455
<b>25.0</b>	910.970	914.259	942.213	966.878	971.811
<b>27.5</b>	884.660	896.171	927.413	958.656	968.522
<b>30.0</b>	856.706	873.150	912.614	950.434	960.300
<b>32.5</b>	828.752	846.840	896.171	938.924	953.723
<b>35.0</b>	799.154	820.531	874.794	925.769	938.924
<b>37.5</b>	764.623	789.288	853.418	909.326	925.769
<b>40.0</b>	726.803	758.045	828.752	891.238	909.326
<b>42.5</b>	693.916	723.514	804.087	871.506	892.882
<b>45.0</b>	657.740	690.627	776.133	848.485	869.861
<b>47.5</b>	618.276	656.096	744.891	825.464	846.840
<b>50.0</b>	580.456	619.920	712.004	795.865	822.175
<b>52.5</b>	540.991	582.100	677.472	762.978	789.288
<b>55.0</b>	501.527	542.636	641.297	728.447	756.401
<b>57.5</b>	463.707	503.171	603.476	693.916	721.870
<b>60.0</b>	425.887	462.062	564.012	654.451	682.405
<b>62.5</b>	384.778	420.954	522.903	613.343	641.297
<b>65.0</b>	343.669	378.201	478.506	568.945	595.255
<b>67.5</b>	304.205	337.092	432.464	519.615	542.636
<b>70.0</b>	264.740	294.339	386.422	466.995	483.439
<b>72.5</b>	228.565	254.874	342.025	411.088	422.598
<b>75.0</b>	190.745	215.410	292.694	350.247	353.535
<b>77.5</b>	154.569	177.590	243.364	281.184	281.184
<b>80.0</b>	118.393	139.770	192.389	215.410	212.121
<b>82.5</b>	88.795	101.950	141.414	149.636	143.058
<b>85.0</b>	55.908	67.418	88.795	85.506	82.218
<b>87.5</b>	27.954	34.531	37.820	31.243	29.598
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	370.11	N.A.	11.00
0-30	804.06	N.A.	23.90
0-40	1349.95	N.A.	40.10
0-60	2511.85	N.A.	74.60
0-80	3276.34	N.A.	97.40
0-90	3365.33	N.A.	100.00
10-90	3271.15	N.A.	97.20
20-40	979.84	N.A.	29.10
20-50	1573.63	N.A.	46.80
40-70	1629.55	N.A.	48.40
60-80	764.49	N.A.	22.70
70-80	296.84	N.A.	8.80
80-90	88.99	N.A.	2.60
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	3365.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	94.19
10-20	275.92
20-30	433.95
30-40	545.89
40-50	593.79
50-60	568.11
60-70	467.65
70-80	296.84
80-90	88.99
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

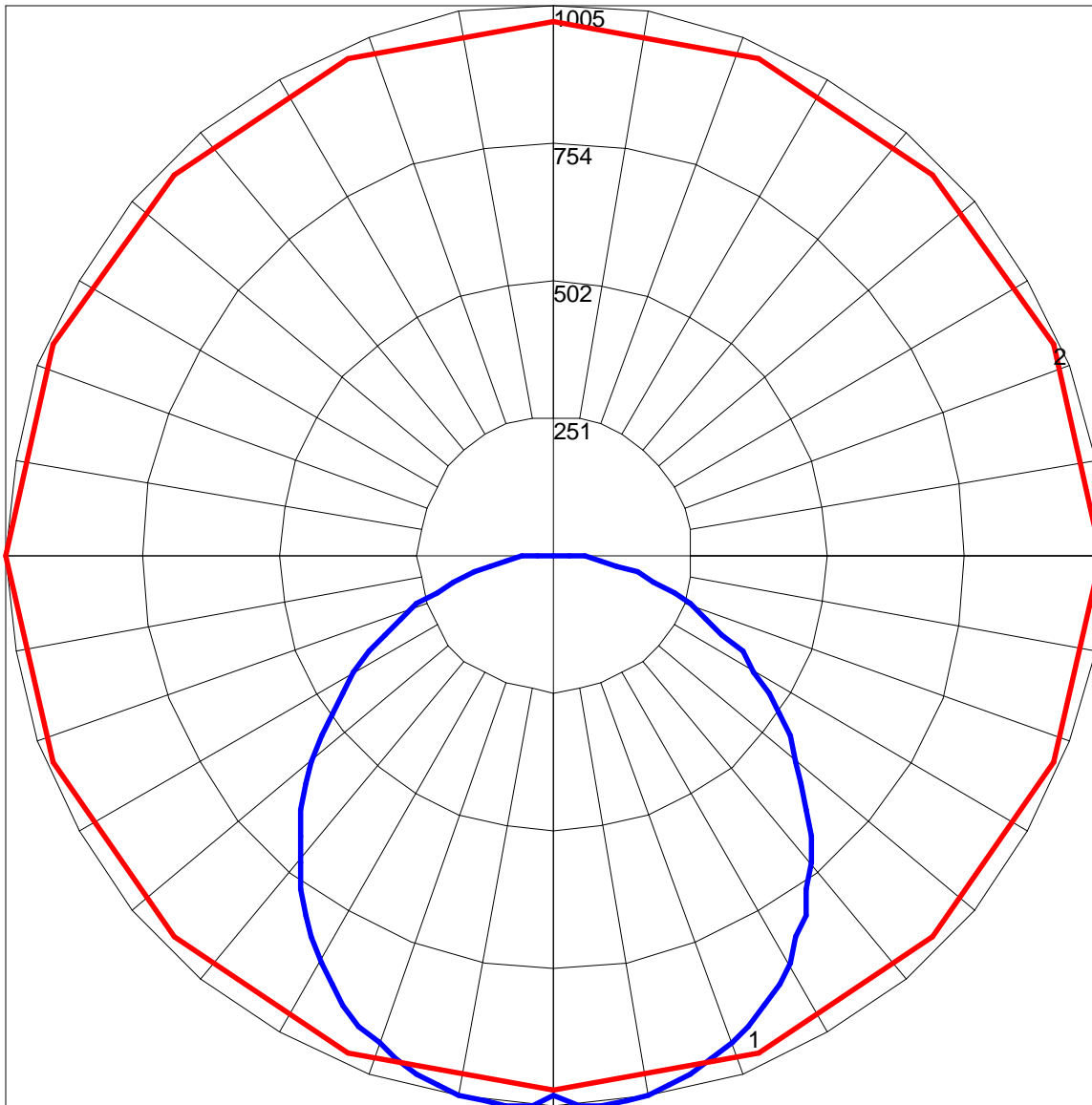
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	55
4	81	68	59	52	78	67	58	51	64	56	50	62	55	50	59	54	49	47
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	38	50	43	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	26	53	40	32	26	39	31	26	38	31	26	37	31	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 1004.698 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.)