

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00581 ~ PR2405LEDLX-65L-35KEX-XXMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00581_M-65L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/27/2017
[UPDATE] 11/22/2017
[LUMCAT] PR2405LEDLX-65L-35K-EX-xx-MW
[LUMINAIRE] Nom. 24" Disco Series LED Shallow Power Bay
[OTHER] Cast UV Stabilized acrylic refractor
[OTHER] Matte White outer finish
[OTHER] 105.4 Degree Beam Angle
[OTHER] 82% of Lumens Delivered within 20-70 Deg. Zone
[OTHER] 3.8% Uplight component
[LAMP] N/A
[LAMPCAT] N/A, Luxtech Gen2
[OTHER] Total Luminaire Watts is approximate
[OTHER] CCT tested: 3500K
[OTHER] CCT Output Multipliers: 40K x 1.03, 30K x 0.979, 27K x 0.959
[OTHER] This report prepared by Spectrum Lighting, scaled from 130L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5201
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	51
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	2.04
Spacing Criterion (90-270)	2.04
Spacing Criterion (Diagonal)	1.80
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.83 ft (Diameter)
Luminous Width (90-270)	1.83 ft (Diameter)
Luminous Height	0.25 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7971	7909	7847
55	4878	4874	4869
65	2049	2076	2102
75	1192	1242	1292
85	1027	1117	1207

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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	1087.325	1087.325	1087.325	1087.325	1087.325
5	1117.229	1118.269	1119.309	1120.349	1121.390
10	1227.326	1229.371	1231.417	1233.463	1235.509
15	1384.922	1387.364	1389.806	1392.249	1394.691
20	1548.682	1551.327	1553.972	1556.616	1559.261
25	1698.597	1701.930	1705.263	1708.596	1711.929
30	1841.356	1842.317	1843.279	1844.241	1845.202
35	1910.718	1909.084	1907.449	1905.815	1904.181
40	1850.763	1845.542	1840.322	1835.101	1829.881
45	1618.398	1612.092	1605.787	1599.482	1593.176
50	1257.294	1254.425	1251.556	1248.687	1245.819
55	854.249	853.891	853.532	853.174	852.816
60	510.122	510.679	511.236	511.793	512.351
65	290.867	292.716	294.565	296.415	298.264
70	181.652	183.781	185.910	188.039	190.169
75	124.416	127.036	129.656	132.276	134.896
80	91.257	94.053	96.849	99.645	102.441
85	65.388	68.264	71.139	74.015	76.891
90	46.905	49.753	52.601	55.449	58.297
95	35.177	38.276	41.374	44.473	47.571
100	25.180	28.200	31.221	34.242	37.262
105	19.921	22.676	25.430	28.184	30.938
110	19.028	21.840	24.652	27.465	30.277
115	28.940	31.108	33.275	35.443	37.611
120	49.845	51.433	53.020	54.609	56.196
125	59.550	61.883	64.216	66.548	68.881
130	28.368	32.419	36.469	40.520	44.571
135	10.281	12.976	15.671	18.366	21.062
140	7.695	10.362	13.030	15.697	18.364
145	8.667	11.129	13.591	16.053	18.516
150	8.380	10.709	13.039	15.369	17.698
155	10.735	12.603	14.472	16.341	18.210
160	11.471	13.181	14.891	16.600	18.310
165	13.021	14.423	15.825	17.227	18.629
170	13.853	14.884	15.915	16.946	17.977
175	16.168	16.652	17.136	17.620	18.104
180	17.946	17.946	17.946	17.946	17.946

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Zone	Lumens	%Lamp	%Fixt
0-20	508.57	N.A.	9.80
0-30	1299.47	N.A.	25.00
0-40	2477.08	N.A.	47.60
0-60	4465.71	N.A.	85.90
0-80	4926.35	N.A.	94.70
0-90	5005.87	N.A.	96.20
10-90	4895.4	N.A.	94.10
20-40	1968.51	N.A.	37.80
20-50	3183.96	N.A.	61.20
40-70	2306.17	N.A.	44.30
60-80	460.64	N.A.	8.90
70-80	143.09	N.A.	2.80
80-90	79.53	N.A.	1.50
90-110	73.71	N.A.	1.40
90-120	109.35	N.A.	2.10
90-130	158.34	N.A.	3.00
90-150	182.56	N.A.	3.50
90-180	195.13	N.A.	3.80
110-180	121.43	N.A.	2.30
0-180	5201.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	110.47
10-20	398.10
20-30	790.90
30-40	1177.61
40-50	1215.44
50-60	773.18
60-70	317.55
70-80	143.09
80-90	79.53
90-100	45.46
100-110	28.25
110-120	35.65
120-130	48.99
130-140	15.85
140-150	8.36
150-160	6.56
160-170	4.41
170-180	1.60

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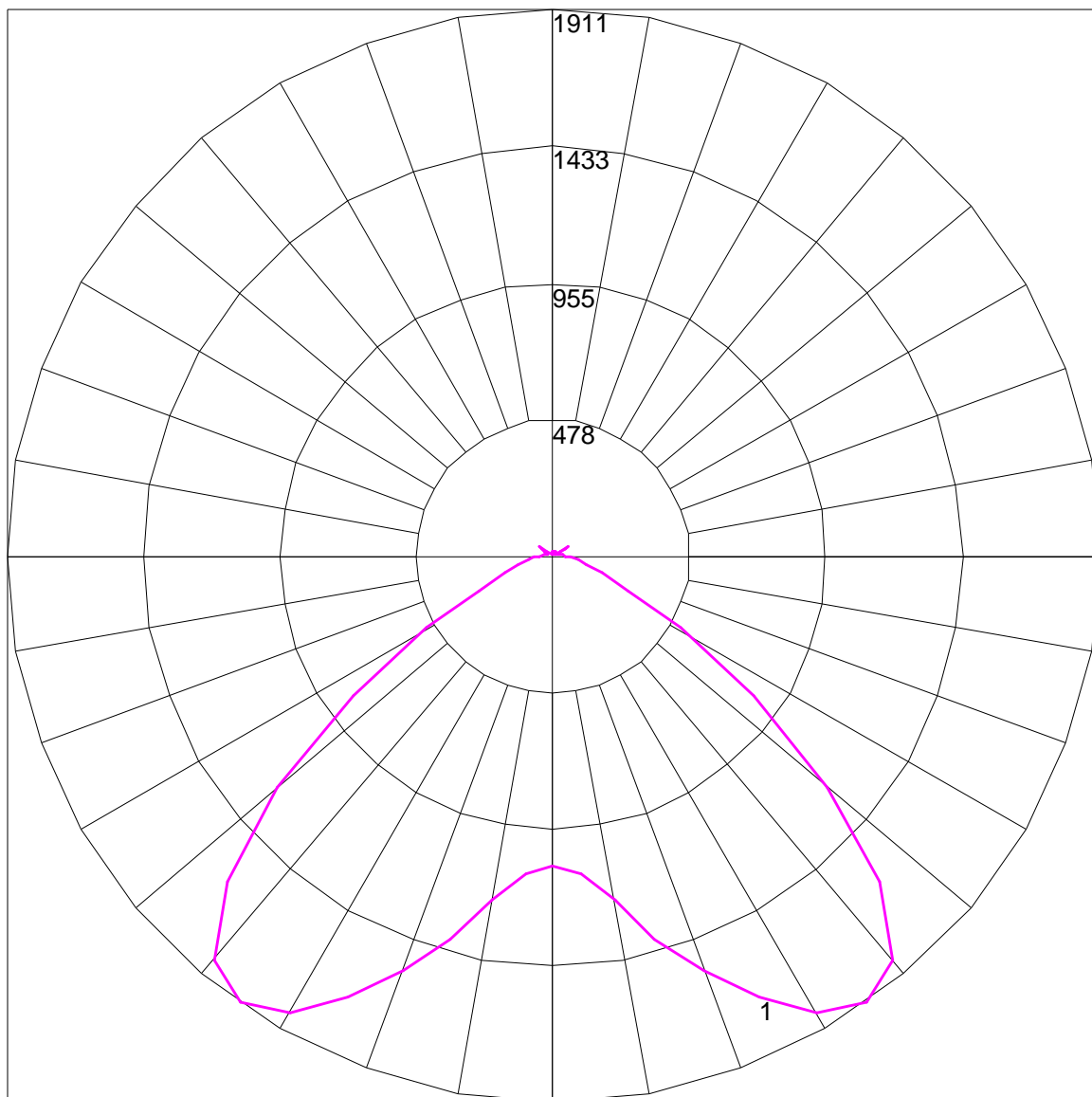
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	109	105	101	98	106	102	99	96	97	94	92	93	91	88	89	87	85	83
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	71
3	92	82	74	68	89	80	73	68	77	71	66	73	68	64	71	66	63	61
4	84	73	65	58	82	71	64	58	68	62	57	66	60	55	63	58	54	52
5	77	65	56	50	75	64	56	50	61	54	49	59	53	48	57	51	47	45
6	71	58	50	44	69	57	49	43	55	48	43	53	47	42	51	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	48	42	37	46	41	36	34
8	61	48	39	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	35	30	55	43	35	30	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	30	26	24

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POLAR GRAPH



Maximum Candela = 1910.718 Located At Horizontal Angle = 0, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (0 - 180)