

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00581 ~ PR2405LEDLX-140L-35KEX-XXMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00581_M-140L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 6/27/2017
[UPDATE] 11/22/2017
[LUMCAT] PR2405LEDLX-140L-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	11237
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	111.89
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	17222	17088	16953
55	10538	10529	10520
65	4428	4484	4540
75	2575	2683	2792
85	2218	2413	2608

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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	2349.158	2349.158	2349.158	2349.158	2349.158
5	2413.766	2416.013	2418.261	2420.508	2422.755
10	2651.630	2656.049	2660.470	2664.890	2669.309
15	2992.115	2997.391	3002.668	3007.945	3013.222
20	3345.918	3351.632	3357.346	3363.060	3368.774
25	3669.809	3677.010	3684.211	3691.412	3698.613
30	3978.237	3980.316	3982.393	3984.471	3986.548
35	4128.094	4124.564	4121.032	4117.502	4113.972
40	3998.562	3987.283	3976.004	3964.725	3953.446
45	3496.539	3482.916	3469.294	3455.671	3442.048
50	2716.375	2710.177	2703.979	2697.781	2691.584
55	1845.599	1844.825	1844.051	1843.278	1842.504
60	1102.115	1103.319	1104.522	1105.726	1106.930
65	628.415	632.411	636.407	640.402	644.398
70	392.459	397.058	401.657	406.257	410.858
75	268.800	274.461	280.122	285.781	291.442
80	197.159	203.200	209.241	215.281	221.322
85	141.270	147.483	153.696	159.909	166.123
90	101.338	107.491	113.644	119.796	125.950
95	76.000	82.695	89.388	96.083	102.778
100	54.401	60.926	67.453	73.979	80.504
105	43.039	48.990	54.941	60.890	66.841
110	41.109	47.185	53.261	59.338	65.413
115	62.524	67.208	71.891	76.575	81.259
120	107.689	111.120	114.550	117.981	121.412
125	128.656	133.697	138.737	143.776	148.817
130	61.288	70.040	78.792	87.544	96.296
135	22.213	28.035	33.858	39.680	45.504
140	16.625	22.388	28.151	33.912	39.675
145	18.725	24.044	29.364	34.683	40.003
150	18.105	23.138	28.170	33.204	38.236
155	23.192	27.229	31.266	35.304	39.342
160	24.784	28.478	32.171	35.864	39.558
165	28.131	31.160	34.190	37.219	40.247
170	29.928	32.156	34.384	36.611	38.839
175	34.930	35.976	37.021	38.067	39.112
180	38.771	38.771	38.771	38.771	38.771

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1098.76	N.A.	9.80
0-30	2807.51	N.A.	25.00
0-40	5351.72	N.A.	47.60
0-60	9648.13	N.A.	85.90
0-80	10643.34	N.A.	94.70
0-90	10815.16	N.A.	96.20
10-90	10576.49	N.A.	94.10
20-40	4252.96	N.A.	37.80
20-50	6878.92	N.A.	61.20
40-70	4982.47	N.A.	44.30
60-80	995.21	N.A.	8.90
70-80	309.15	N.A.	2.80
80-90	171.82	N.A.	1.50
90-110	159.24	N.A.	1.40
90-120	236.25	N.A.	2.10
90-130	342.10	N.A.	3.00
90-150	394.41	N.A.	3.50
90-180	421.58	N.A.	3.80
110-180	262.34	N.A.	2.30
0-180	11236.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	238.68
10-20	860.09
20-30	1708.74
30-40	2544.22
40-50	2625.96
50-60	1670.45
60-70	686.07
70-80	309.15
80-90	171.82
90-100	98.21
100-110	61.03
110-120	77.01
120-130	105.84
130-140	34.24
140-150	18.07
150-160	14.18
160-170	9.54
170-180	3.46

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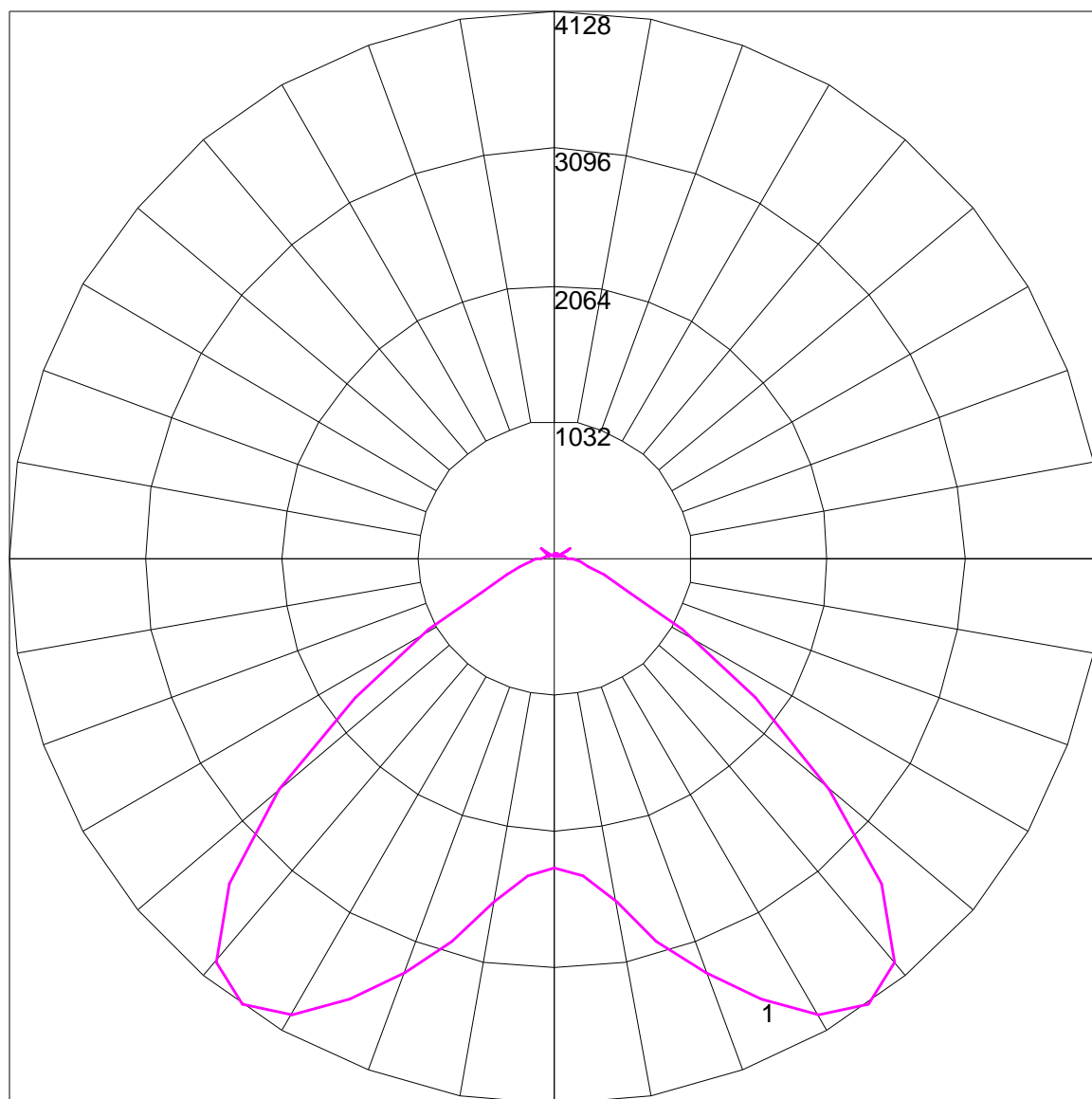
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 4128.094 Located At Horizontal Angle = 0, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (0 - 180)