

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00581 ~ PR2405LEDLX-130L-35KEX-XXMW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00581
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 6/27/2017
 [UPDATE] 11/22/2017
 [LUMCAT] PR2405LEDLX-130L-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10402
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	101
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00581 ~ PR2405LEDLX-130L-35KEX-XXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	15942	15818	15694
55	9755	9747	9739
65	4099	4151	4203
75	2384	2484	2584
85	2053	2234	2414

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00581 ~ PR2405LEDLX-130L-35KEX-XXMW.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2174.649	2174.649	2174.649	2174.649	2174.649
5	2234.458	2236.538	2238.619	2240.699	2242.779
10	2454.652	2458.743	2462.835	2466.926	2471.018
15	2769.844	2774.728	2779.612	2784.497	2789.382
20	3097.364	3102.654	3107.943	3113.233	3118.523
25	3397.194	3403.861	3410.527	3417.192	3423.859
30	3682.711	3684.635	3686.558	3688.482	3690.405
35	3821.436	3818.167	3814.898	3811.630	3808.362
40	3701.526	3691.085	3680.644	3670.202	3659.761
45	3236.796	3224.185	3211.575	3198.964	3186.353
50	2514.587	2508.849	2503.112	2497.374	2491.638
55	1708.497	1707.781	1707.064	1706.348	1705.632
60	1020.244	1021.358	1022.472	1023.586	1024.701
65	581.733	585.432	589.131	592.829	596.529
70	363.304	367.562	371.820	376.078	380.337
75	248.832	254.073	259.313	264.552	269.792
80	182.513	188.105	193.698	199.289	204.881
85	130.775	136.527	142.279	148.030	153.783
90	93.810	99.506	105.202	110.897	116.594
95	70.354	76.551	82.748	88.945	95.143
100	50.359	56.400	62.442	68.483	74.524
105	39.842	45.351	50.860	56.367	61.876
110	38.055	43.680	49.305	54.930	60.554
115	57.879	62.215	66.550	70.886	75.222
120	99.689	102.865	106.040	109.217	112.392
125	119.099	123.766	128.431	133.096	137.762
130	56.736	64.837	72.939	81.041	89.143
135	20.563	25.952	31.343	36.733	42.124
140	15.390	20.725	26.059	31.393	36.728
145	17.334	22.258	27.183	32.107	37.032
150	16.760	21.419	26.077	30.737	35.395
155	21.469	25.206	28.944	32.681	36.419
160	22.942	26.362	29.781	33.200	36.619
165	26.042	28.846	31.650	34.454	37.258
170	27.705	29.768	31.830	33.891	35.953
175	32.335	33.303	34.271	35.239	36.207
180	35.891	35.891	35.891	35.891	35.891

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00581 ~ PR2405LEDLX-130L-35KEX-XXMW.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1017.14	N.A.	9.80
0-30	2598.95	N.A.	25.00
0-40	4954.17	N.A.	47.60
0-60	8931.41	N.A.	85.90
0-80	9852.69	N.A.	94.70
0-90	10011.75	N.A.	96.20
10-90	9790.8	N.A.	94.10
20-40	3937.03	N.A.	37.80
20-50	6367.91	N.A.	61.20
40-70	4612.35	N.A.	44.30
60-80	921.28	N.A.	8.90
70-80	286.18	N.A.	2.80
80-90	159.05	N.A.	1.50
90-110	147.41	N.A.	1.40
90-120	218.70	N.A.	2.10
90-130	316.69	N.A.	3.00
90-150	365.11	N.A.	3.50
90-180	390.27	N.A.	3.80
110-180	242.85	N.A.	2.30
0-180	10402.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	220.95
10-20	796.20
20-30	1581.81
30-40	2355.22
40-50	2430.89
50-60	1546.36
60-70	635.10
70-80	286.18
80-90	159.05
90-100	90.91
100-110	56.50
110-120	71.29
120-130	97.98
130-140	31.70
140-150	16.73
150-160	13.12
160-170	8.83
170-180	3.20

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00581 ~ PR2405LEDLX-130L-35KEX-XXMW.IES

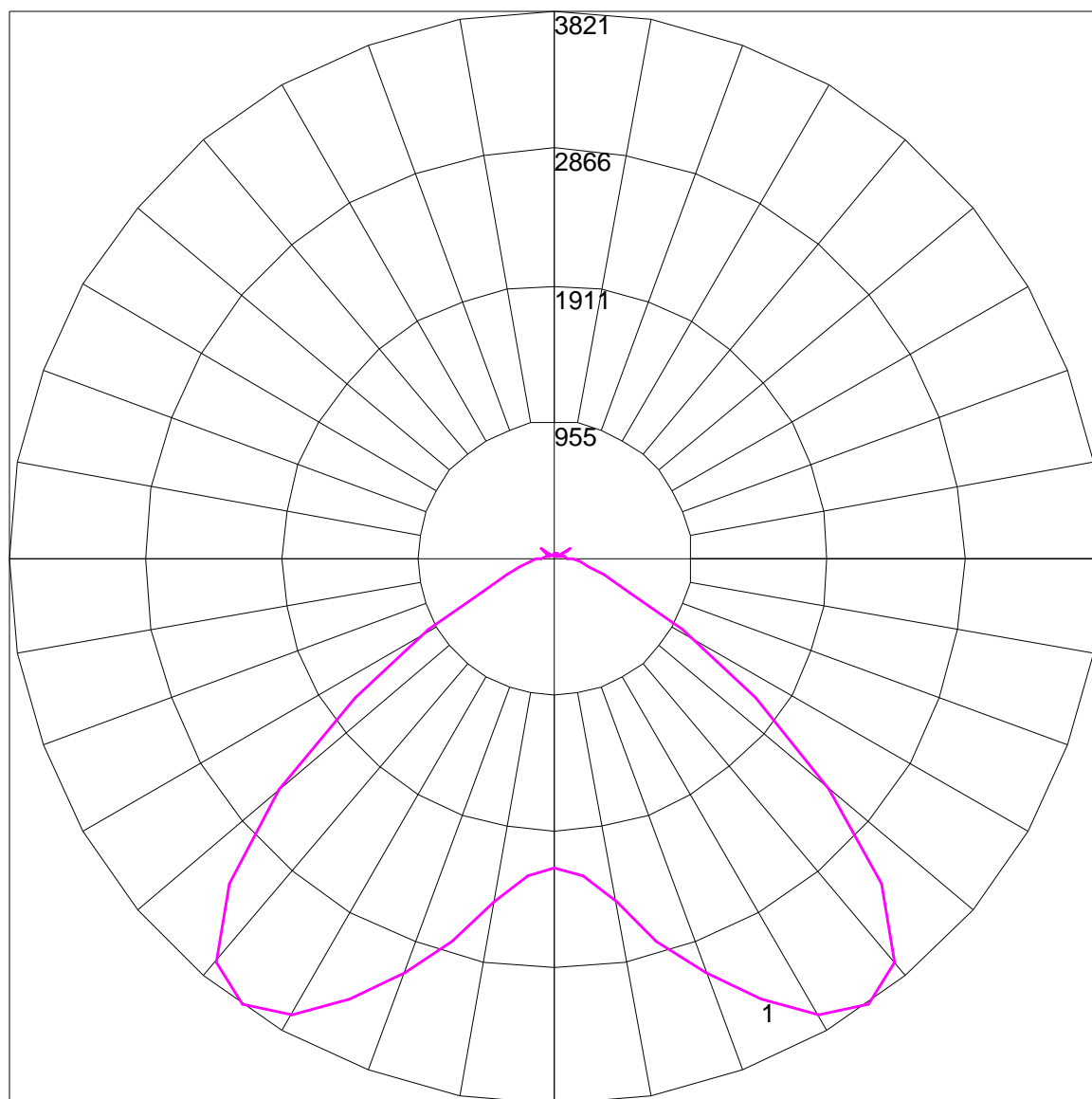
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00581 ~ PR2405LEDLX-130L-35KEX-XXMW.IES

POLAR GRAPH



Maximum Candela = 3821.436 Located At Horizontal Angle = 0, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (0 - 180)