

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00624_3 ~ C0824UDXT-13LMDGL-13LMD-XXKEX-TSG-SOXXX.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00624_3_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 4/4/2018
 [LUMCAT] C0824UDXT-13L-MD-GL-13L-MD-xxK-EX-TSG-SO-xxx (Up/Down)
 [LUMINAIRE] Nom. 8" Diam. x 24"H Direct/Indirect Cylinder
 [OTHER] Uplight: Medium Beam, Flush Clear Glass lens
 [OTHER] Uplight: 36.6 Degree Beam Angle
 [OTHER] Downlight: Medium Beam, Regressed Solite lens
 [OTHER] Downlight: 39.6 Degree Beam Angle
 [OTHER] Trim: Semi-diffuse clear anodized alum.
 [LAMP] N/A
 [LAMPCAT] N/A, 19mm LES indirect
 [OTHER] N/A, 19mm LES direct
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] LEDXT lumen output is the same for all available CCT's
 [OTHER] See Catalog cut sheet for different source lumen multipliers
 [OTHER] This report prepared by Spectrum Lighting, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2016
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	26
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.67 ft (Diameter)
Luminous Width (90-270)	0.67 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00624_3 ~ C0824UDXT-13LMDGL-13LMD-XXKEX-TSG-SOXXX.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1442	1503	1284
55	143	130	124
65	43	49	59
75	62	47	93
85	221	309	198

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00624_3 ~ C0824UDXT-13LMDGL-13LMD-XXKEX-TSG-SOXXX.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1912.967	1912.967	1912.967	1912.967	1912.967
2.5	1858.905	1863.299	1856.789	1857.544	1842.428
5.0	1804.843	1813.631	1800.611	1802.121	1771.890
7.5	1677.871	1689.510	1673.170	1676.964	1637.453
10.0	1550.899	1565.388	1545.729	1551.807	1503.016
12.5	1388.630	1405.524	1382.955	1391.046	1339.559
15.0	1226.361	1245.658	1220.180	1230.286	1176.102
17.5	1072.248	1091.509	1066.073	1076.730	1026.494
20.0	918.133	937.360	911.965	923.174	876.884
22.5	792.009	808.957	786.457	796.726	755.708
25.0	665.884	680.553	660.949	670.279	634.532
27.5	560.158	573.544	554.482	563.353	531.168
30.0	454.431	466.536	448.016	456.427	427.805
32.5	361.028	370.236	353.692	361.088	335.696
35.0	267.624	273.937	259.368	265.749	243.586
37.5	193.101	200.168	187.559	194.238	174.162
40.0	118.578	126.399	115.749	122.728	104.736
42.5	75.860	80.499	75.146	79.042	67.114
45.0	33.141	34.599	34.543	35.355	29.492
47.5	20.382	21.274	21.128	21.555	17.933
50.0	7.623	7.950	7.714	7.753	6.375
52.5	5.145	4.994	5.073	5.010	4.345
55.0	2.667	2.038	2.431	2.266	2.315
57.5	1.858	1.578	1.661	1.484	1.734
60.0	1.048	1.118	0.891	0.701	1.151
62.5	0.820	0.939	0.783	0.688	0.979
65.0	0.592	0.760	0.675	0.675	0.807
67.5	0.571	0.708	0.668	0.598	0.786
70.0	0.551	0.656	0.660	0.521	0.766
72.5	0.536	0.728	0.528	0.552	0.775
75.0	0.521	0.800	0.396	0.584	0.785
77.5	0.571	0.812	0.547	0.612	0.676
80.0	0.621	0.824	0.697	0.639	0.567
82.5	0.623	0.753	0.786	0.678	0.564
85.0	0.625	0.682	0.875	0.717	0.560
87.5	0.541	0.525	0.713	0.543	0.677
90.0	0.457	0.366	0.551	0.370	0.794
92.5	5.874	4.986	4.435	5.186	3.994
95.0	5.156	4.351	4.890	4.001	4.389
97.5	3.516	3.907	4.385	4.092	4.063
100.0	4.356	3.672	3.896	3.893	3.589
102.5	3.962	3.824	3.849	3.260	3.000
105.0	3.536	3.940	3.526	2.668	3.057
107.5	3.825	3.730	3.422	3.280	3.274
110.0	4.088	3.263	3.601	3.235	3.086
112.5	4.334	3.632	3.732	2.562	2.490
115.0	4.831	4.162	3.851	2.876	3.110
117.5	5.400	5.270	4.768	3.476	3.995
120.0	7.171	6.433	5.762	3.950	4.356
122.5	9.173	10.560	8.681	4.409	4.973
125.0	30.536	17.000	14.631	23.237	16.130

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00624_3 ~ C0824UDXT-13LMDGL-13LMD-XXKEX-TSG-SOXXX.IES****CANDELA TABULATION - (Cont.)**

127.5	54.440	60.534	57.851	43.299	31.864
130.0	118.578	106.805	104.036	109.222	101.539
132.5	185.436	175.701	171.803	175.399	169.605
135.0	237.697	239.414	234.166	231.925	226.279
137.5	288.844	276.021	270.785	285.555	277.607
140.0	313.561	310.055	305.252	307.793	303.986
142.5	338.093	334.181	332.357	330.465	329.946
145.0	360.699	359.583	360.456	355.868	354.496
147.5	386.328	388.643	391.213	385.581	385.378
150.0	431.024	423.875	427.785	433.683	432.973
152.5	475.425	472.747	476.463	481.013	480.551
155.0	518.531	517.841	521.821	525.840	528.096
157.5	562.533	556.133	561.613	569.894	572.712
160.0	609.390	600.712	606.210	612.037	612.480
162.5	669.096	654.344	657.369	667.155	670.279
165.0	760.590	737.841	738.789	747.769	752.395
167.5	870.659	856.539	853.596	853.403	867.716
170.0	1017.273	981.069	975.443	998.759	1019.228
172.5	1138.835	1111.243	1103.669	1117.210	1135.788
175.0	1221.159	1200.077	1191.170	1201.299	1221.055
177.5	1272.738	1256.540	1248.415	1252.058	1266.537
180.0	1285.700	1285.700	1285.700	1285.700	1285.700

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00624_3 ~ C0824UDXT-13LMDGL-13LMD-XXKEX-TSG-SOXXX.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	502.23	N.A.	24.90
0-30	808.55	N.A.	40.10
0-40	977.13	N.A.	48.50
0-60	1016.53	N.A.	50.40
0-80	1017.94	N.A.	50.50
0-90	1018.64	N.A.	50.50
10-90	855.54	N.A.	42.40
20-40	474.90	N.A.	23.60
20-50	511.40	N.A.	25.40
40-70	40.14	N.A.	2.00
60-80	1.41	N.A.	0.10
70-80	0.67	N.A.	0.00
80-90	0.71	N.A.	0.00
90-110	7.98	N.A.	0.40
90-120	11.95	N.A.	0.60
90-130	41.39	N.A.	2.10
90-150	438.66	N.A.	21.80
90-180	997.10	N.A.	49.50
110-180	989.11	N.A.	49.10
0-180	2015.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	163.11
10-20	339.12
20-30	306.32
30-40	168.58
40-50	36.50
50-60	2.90
60-70	0.74
70-80	0.67
80-90	0.71
90-100	4.25
100-110	3.73
110-120	3.97
120-130	29.44
130-140	171.36
140-150	225.91
150-160	238.47
160-170	211.67
170-180	108.30

IES INDOOR REPORT

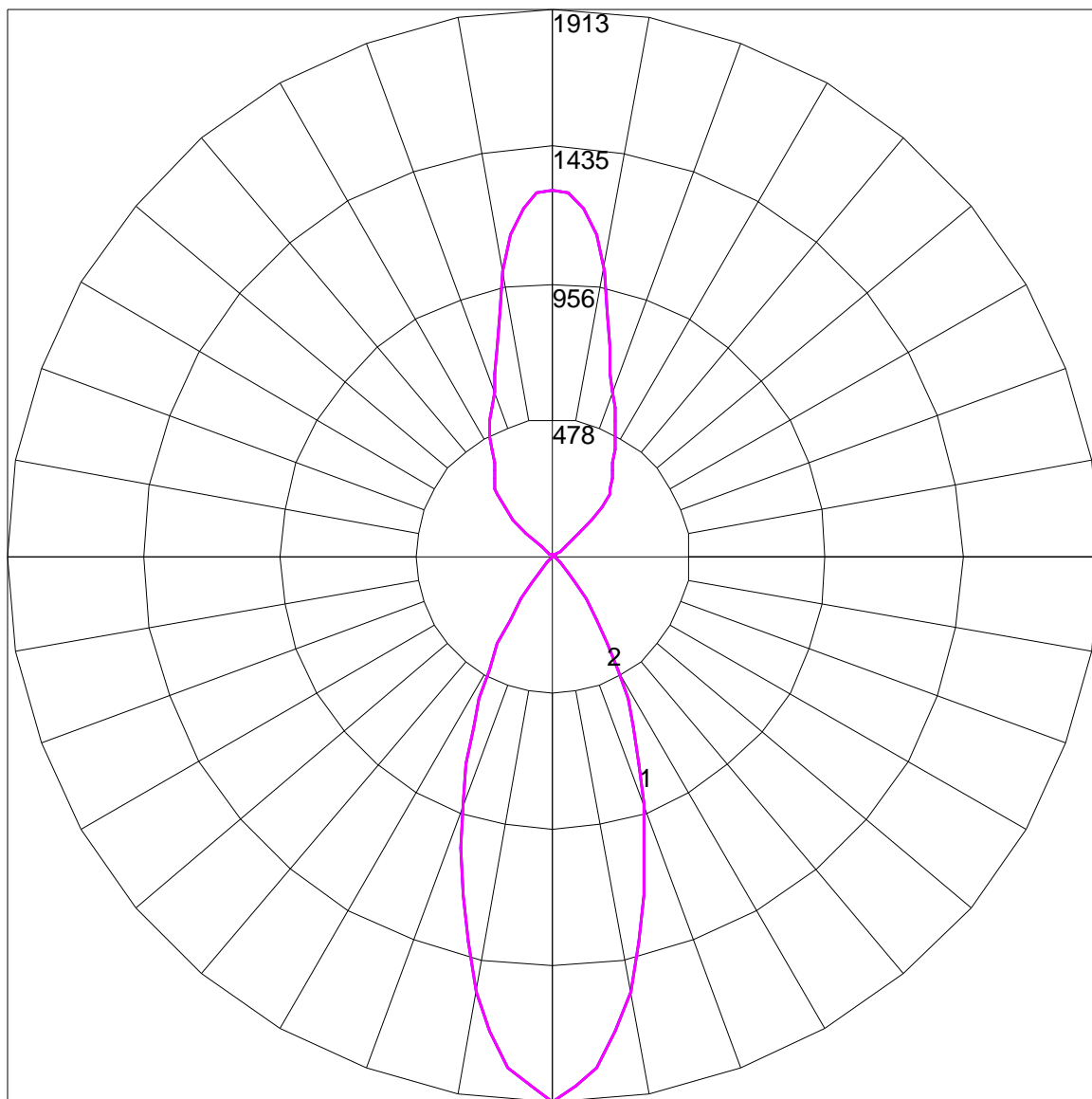
PHOTOMETRIC FILENAME : SP-00624_3 ~ C0824UDXT-13LMDGL-13LMD-XXKEX-TSG-SOXXX.IES

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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	100	97	94	92	93	90	88	85	77	75	74	65	64	63	54	53	53	48
2	94	88	84	80	87	82	79	75	71	68	66	61	59	58	51	50	49	45
3	88	81	75	71	82	76	71	67	66	63	60	57	55	53	49	47	46	42
4	83	74	68	64	77	70	65	60	61	58	55	54	51	49	46	45	43	40
5	78	69	62	58	72	65	59	55	57	53	50	50	47	45	44	42	40	38
6	73	63	57	53	68	60	54	50	54	49	46	47	44	42	42	40	38	36
7	69	59	53	48	64	56	50	46	50	46	43	45	42	39	40	38	36	34
8	65	55	49	45	61	52	47	43	47	43	40	42	39	37	38	36	34	32
9	62	52	46	41	58	49	44	40	45	40	37	40	37	35	36	34	32	30
10	58	49	43	39	55	46	41	37	42	38	35	38	35	33	35	32	31	29

POLAR GRAPH



Maximum Candela = 1912.967 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)