

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00624_3 ~ C0824UDXT-10LMDGL-10LMD-XXKEX-TSG-SOXXX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00624_3_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 10/13/2017
[UPDATE] 4/4/2018
[LUMCAT] C0824UDXT-10L-MD-GL-10L-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	1496
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	18.2
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-10LMDGL-10LMD-XXKEX-TSG-SOXXX.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1071	1116	953
55	106	97	92
65	32	36	44
75	46	35	69
85	164	229	147

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00624_3 ~ C0824UDXT-10LMDGL-10LMD-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	1420.010	1420.010	1420.010	1420.010	1420.010
2.5	1379.880	1383.141	1378.309	1378.869	1367.649
5.0	1339.749	1346.272	1336.607	1337.728	1315.287
7.5	1245.497	1254.136	1242.007	1244.823	1215.494
10.0	1151.244	1162.000	1147.407	1151.918	1115.700
12.5	1030.791	1043.331	1026.578	1032.584	994.365
15.0	910.338	924.662	905.749	913.250	873.030
17.5	795.938	810.236	791.354	799.265	761.974
20.0	681.538	695.810	676.959	685.279	650.918
22.5	587.914	600.495	583.793	591.416	560.968
25.0	494.291	505.179	490.627	497.553	471.018
27.5	415.809	425.746	411.597	418.181	394.290
30.0	337.327	346.313	332.566	338.810	317.563
32.5	267.994	274.829	262.548	268.038	249.190
35.0	198.659	203.345	192.531	197.267	180.816
37.5	143.341	148.586	139.226	144.185	129.282
40.0	88.022	93.827	85.922	91.102	77.747
42.5	56.311	59.755	55.782	58.673	49.820
45.0	24.601	25.683	25.641	26.245	21.892
47.5	15.130	15.792	15.684	16.000	13.312
50.0	5.658	5.901	5.726	5.755	4.732
52.5	3.819	3.707	3.765	3.719	3.226
55.0	1.980	1.513	1.805	1.682	1.719
57.5	1.379	1.172	1.233	1.102	1.287
60.0	0.778	0.830	0.662	0.521	0.855
62.5	0.609	0.697	0.581	0.511	0.727
65.0	0.440	0.564	0.501	0.501	0.599
67.5	0.424	0.525	0.496	0.444	0.584
70.0	0.409	0.487	0.490	0.386	0.568
72.5	0.398	0.540	0.392	0.410	0.576
75.0	0.386	0.594	0.294	0.433	0.582
77.5	0.424	0.603	0.406	0.454	0.502
80.0	0.461	0.611	0.518	0.474	0.421
82.5	0.463	0.559	0.584	0.503	0.419
85.0	0.464	0.507	0.649	0.532	0.416
87.5	0.402	0.389	0.529	0.403	0.503
90.0	0.339	0.272	0.409	0.275	0.590
92.5	4.360	3.701	3.292	3.849	2.965
95.0	3.827	3.230	3.630	2.970	3.258
97.5	2.610	2.900	3.255	3.037	3.016
100.0	3.234	2.726	2.892	2.890	2.664
102.5	2.941	2.839	2.857	2.420	2.227
105.0	2.625	2.925	2.618	1.981	2.269
107.5	2.840	2.769	2.540	2.435	2.430
110.0	3.034	2.422	2.673	2.401	2.291
112.5	3.217	2.696	2.770	1.902	1.848
115.0	3.586	3.089	2.858	2.135	2.309
117.5	4.009	3.912	3.539	2.580	2.965
120.0	5.323	4.775	4.277	2.932	3.233
122.5	6.809	7.839	6.444	3.273	3.692
125.0	22.667	12.619	10.861	17.249	11.974

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00624_3 ~ C0824UDXT-10LMDGL-10LMD-XXKEX-TSG-SOXXX.IES****CANDELA TABULATION - (Cont.)**

127.5	40.411	44.935	42.943	32.141	23.653
130.0	88.022	79.282	77.227	81.076	75.373
132.5	137.650	130.425	127.531	130.200	125.899
135.0	176.444	177.719	173.823	172.159	167.969
137.5	214.411	204.893	201.006	211.970	206.069
140.0	232.759	230.156	226.591	228.477	225.651
142.5	250.969	248.065	246.711	245.307	244.922
145.0	267.750	266.921	267.569	264.164	263.145
147.5	286.774	288.493	290.400	286.220	286.069
150.0	319.952	314.645	317.548	321.926	321.399
152.5	352.912	350.924	353.682	357.060	356.717
155.0	384.910	384.397	387.351	390.335	392.010
157.5	417.572	412.822	416.890	423.037	425.128
160.0	452.355	445.913	449.994	454.320	454.649
162.5	496.675	485.725	487.970	495.235	497.554
165.0	564.592	547.705	548.409	555.075	558.509
167.5	646.297	635.816	633.631	633.487	644.112
170.0	755.130	728.255	724.079	741.387	756.581
172.5	845.366	824.884	819.262	829.314	843.104
175.0	906.476	890.826	884.215	891.733	906.398
177.5	944.763	932.739	926.708	929.412	940.160
180.0	954.385	954.385	954.385	954.385	954.385

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00624_3 ~ C0824UDXT-10LMDGL-10LMD-XXKEX-TSG-SOXXX.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	372.81	N.A.	24.90
0-30	600.19	N.A.	40.10
0-40	725.33	N.A.	48.50
0-60	754.58	N.A.	50.40
0-80	755.62	N.A.	50.50
0-90	756.15	N.A.	50.50
10-90	635.07	N.A.	42.40
20-40	352.52	N.A.	23.60
20-50	379.62	N.A.	25.40
40-70	29.79	N.A.	2.00
60-80	1.04	N.A.	0.10
70-80	0.50	N.A.	0.00
80-90	0.53	N.A.	0.00
90-110	5.93	N.A.	0.40
90-120	8.87	N.A.	0.60
90-130	30.72	N.A.	2.10
90-150	325.62	N.A.	21.80
90-180	740.15	N.A.	49.50
110-180	734.23	N.A.	49.10
0-180	1496.3	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	121.08
10-20	251.73
20-30	227.38
30-40	125.14
40-50	27.10
50-60	2.15
60-70	0.55
70-80	0.50
80-90	0.53
90-100	3.16
100-110	2.77
110-120	2.95
120-130	21.85
130-140	127.20
140-150	167.70
150-160	177.02
160-170	157.12
170-180	80.39

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00624_3 ~ C0824UDXT-10LMDGL-10LMD-XXKEX-TSG-SOXXX.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

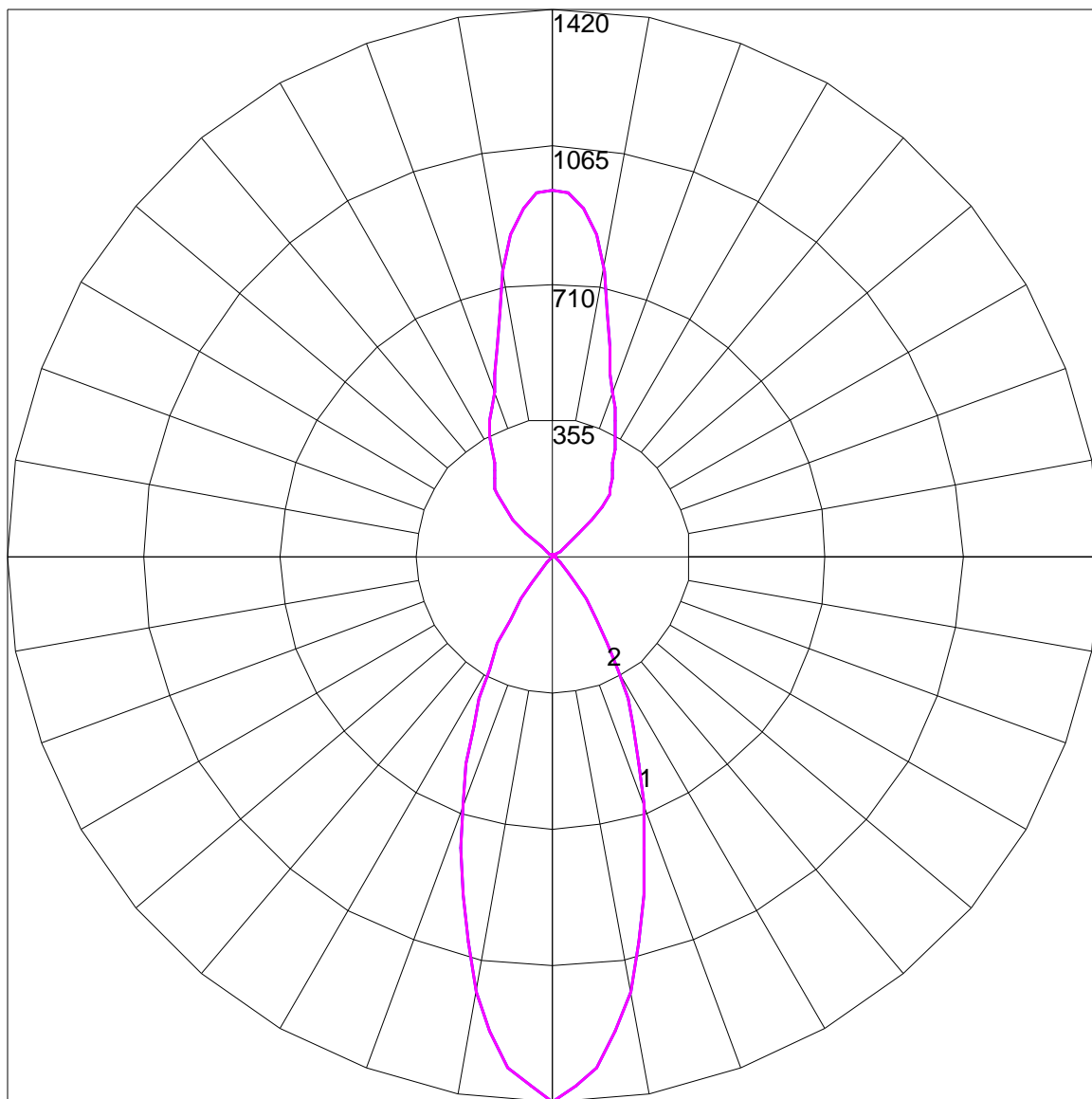
Effective Floor Cavity Reflectance 0.20

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	86	77	75	74	65	64	63	54	53	53	48
2	94	88	84	80	87	82	79	75	71	69	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	64	57	53	68	60	54	50	54	49	46	47	44	42	42	40	38	36
7	69	59	53	48	65	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	38	42	38	35	38	35	33	35	32	31	29

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00624_3 ~ C0824UDXT-10LMDGL-10LMD-XXKEX-TSG-SOXXX.IES

POLAR GRAPH



Maximum Candela = 1420.01 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)