

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00634_2 ~ C0310UDXT-10LWDGL-10LWD-XXKEX-SOXXMW (UP_DOWN).IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00634_2
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 1/29/2018
 [LUMCAT] C0310UDXT-10L-WD-GL-10L-WD-xxK-EX-SO-xx-MW (Up/Down)
 [LUMINAIRE] Nom. 3" Diam. x 10" H Direct/Indirect Cylinder
 [OTHER] Uplight: Wide Beam, Flush Clear Glass lens
 [OTHER] Uplight: 44.1 Degree Beam Angle
 [OTHER] Downlight: Wide Beam, Regressed Solite lens
 [OTHER] Downlight: 50 Degree Beam Angle
 [OTHER] Trim: Matte White
 [LAMP] N/A
 [LAMPCAT] N/A, 19mm LES Uplight
 [OTHER] N/A, 19mm LES Downlight
 [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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1152
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
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)	0.21 ft (Diameter)
Luminous Width (90-270)	0.21 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00634_2 ~ C0310UDXT-10LWDGL-10LWD-XXKEX-SOXXMW (UP_DOWN).IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7303	7546	8349
55	2055	2180	1524
65	1734	1808	1498
75	1839	1327	1209
85	3359	4354	3275

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00634_2 ~ C0310UDXT-10LWDGL-10LWD-XXKEX-SOXXMW (UP_DOWN).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	861.037	861.037	861.037	861.037	861.037
2.5	855.017	854.279	854.173	854.829	853.283
5.0	848.997	847.520	847.309	848.621	845.528
7.5	819.372	820.786	819.187	824.447	821.153
10.0	789.747	794.051	791.065	800.272	796.778
12.5	748.423	752.917	748.541	760.855	757.541
15.0	707.099	711.782	706.016	721.438	718.303
17.5	646.523	654.186	649.350	667.031	663.230
20.0	585.947	596.589	592.684	612.624	608.157
22.5	507.848	520.334	517.562	540.366	535.721
25.0	429.749	444.079	442.439	468.108	463.285
27.5	344.909	358.226	358.552	382.056	378.983
30.0	260.069	272.373	274.665	296.004	294.681
32.5	193.730	203.624	204.935	222.386	222.237
35.0	127.390	134.874	135.204	148.768	149.793
37.5	88.545	92.447	94.080	102.579	104.241
40.0	49.700	50.020	52.956	56.390	58.689
42.5	33.009	32.630	34.909	37.435	38.672
45.0	16.318	15.240	16.861	18.479	18.655
47.5	11.108	10.546	11.549	12.889	12.538
50.0	5.897	5.852	6.236	7.298	6.421
52.5	4.811	5.320	5.094	5.567	4.592
55.0	3.724	4.788	3.951	3.836	2.762
57.5	3.435	3.982	3.669	3.149	2.469
60.0	3.146	3.176	3.386	2.462	2.175
62.5	2.731	2.537	2.900	2.276	2.088
65.0	2.315	1.898	2.414	2.089	2.000
67.5	1.979	1.805	2.039	1.972	1.882
70.0	1.643	1.711	1.664	1.855	1.764
72.5	1.574	1.474	1.375	1.427	1.377
75.0	1.504	1.237	1.085	0.999	0.989
77.5	1.249	1.248	1.225	1.092	1.062
80.0	0.993	1.258	1.365	1.185	1.135
82.5	0.959	1.378	1.282	1.321	1.019
85.0	0.925	1.498	1.199	1.456	0.902
87.5	1.043	0.983	1.148	0.956	0.912
90.0	1.160	0.467	1.097	0.456	0.921
92.5	2.565	2.281	2.950	2.504	2.621
95.0	2.850	2.331	2.976	2.392	2.913
97.5	2.470	3.828	3.789	2.151	3.033
100.0	2.536	4.365	3.501	2.733	3.307
102.5	4.424	4.090	3.478	3.348	4.029
105.0	4.690	4.029	3.671	3.860	4.155
107.5	5.157	5.534	4.122	4.379	4.760
110.0	5.777	5.698	4.949	4.612	5.712
112.5	5.695	5.277	5.189	4.647	6.060
115.0	5.642	4.927	5.196	5.562	6.433
117.5	6.055	4.734	6.471	6.641	7.103
120.0	6.665	6.470	7.915	6.713	7.861
122.5	8.089	8.205	9.265	6.728	8.949
125.0	10.152	9.928	10.608	8.416	10.416

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00634_2 ~ C0310UDXT-10LWDGL-10LWD-XXKEX-SOXXMW (UP_DOWN).IES****CANDELA TABULATION - (Cont.)**

127.5	14.346	12.152	12.962	10.180	13.049
130.0	18.634	17.395	15.349	15.520	16.467
132.5	23.188	22.537	20.497	20.822	21.961
135.0	28.608	27.212	25.677	25.414	27.391
137.5	36.076	32.625	31.684	30.218	32.677
140.0	47.350	40.782	38.613	37.373	40.942
142.5	66.231	55.568	56.845	48.350	54.793
145.0	98.176	90.780	78.982	88.447	85.842
147.5	153.051	132.875	134.425	131.965	145.279
150.0	214.083	192.519	192.720	194.471	211.257
152.5	284.367	261.449	268.311	262.812	286.496
155.0	368.972	350.593	349.021	356.724	372.360
157.5	472.358	444.237	453.916	451.055	471.371
160.0	570.990	546.318	556.294	546.882	566.208
162.5	664.166	643.583	649.078	641.515	656.522
165.0	747.839	733.134	736.913	732.670	741.855
167.5	822.098	807.244	809.448	812.512	822.529
170.0	871.915	859.494	869.531	863.972	873.456
172.5	900.520	895.470	897.178	902.297	900.018
175.0	914.854	911.604	916.905	912.920	912.815
177.5	918.352	918.583	919.043	919.840	915.756
180.0	917.000	917.000	917.000	917.000	917.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00634_2 ~ C0310UDXT-10LWDGL-10LWD-XXKEX-SOXXMW (UP_DOWN).IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	276.04	N.A.	24.00
0-30	477.74	N.A.	41.50
0-40	571.10	N.A.	49.60
0-60	592.60	N.A.	51.40
0-80	596.19	N.A.	51.70
0-90	597.42	N.A.	51.80
10-90	518.44	N.A.	45.00
20-40	295.06	N.A.	25.60
20-50	312.73	N.A.	27.10
40-70	23.70	N.A.	2.10
60-80	3.59	N.A.	0.30
70-80	1.38	N.A.	0.10
80-90	1.23	N.A.	0.10
90-110	7.29	N.A.	0.60
90-120	12.98	N.A.	1.10
90-130	22.32	N.A.	1.90
90-150	103.86	N.A.	9.00
90-180	554.96	N.A.	48.20
110-180	547.67	N.A.	47.50
0-180	1152.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	78.98
10-20	197.06
20-30	201.70
30-40	93.37
40-50	17.66
50-60	3.83
60-70	2.21
70-80	1.38
80-90	1.23
90-100	2.84
100-110	4.45
110-120	5.68
120-130	9.35
130-140	20.81
140-150	60.72
150-160	163.78
160-170	201.55
170-180	85.77

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00634_2 ~ C0310UDXT-10LWDGL-10LWD-XXKEX-SOXXMW (UP_DOWN).IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

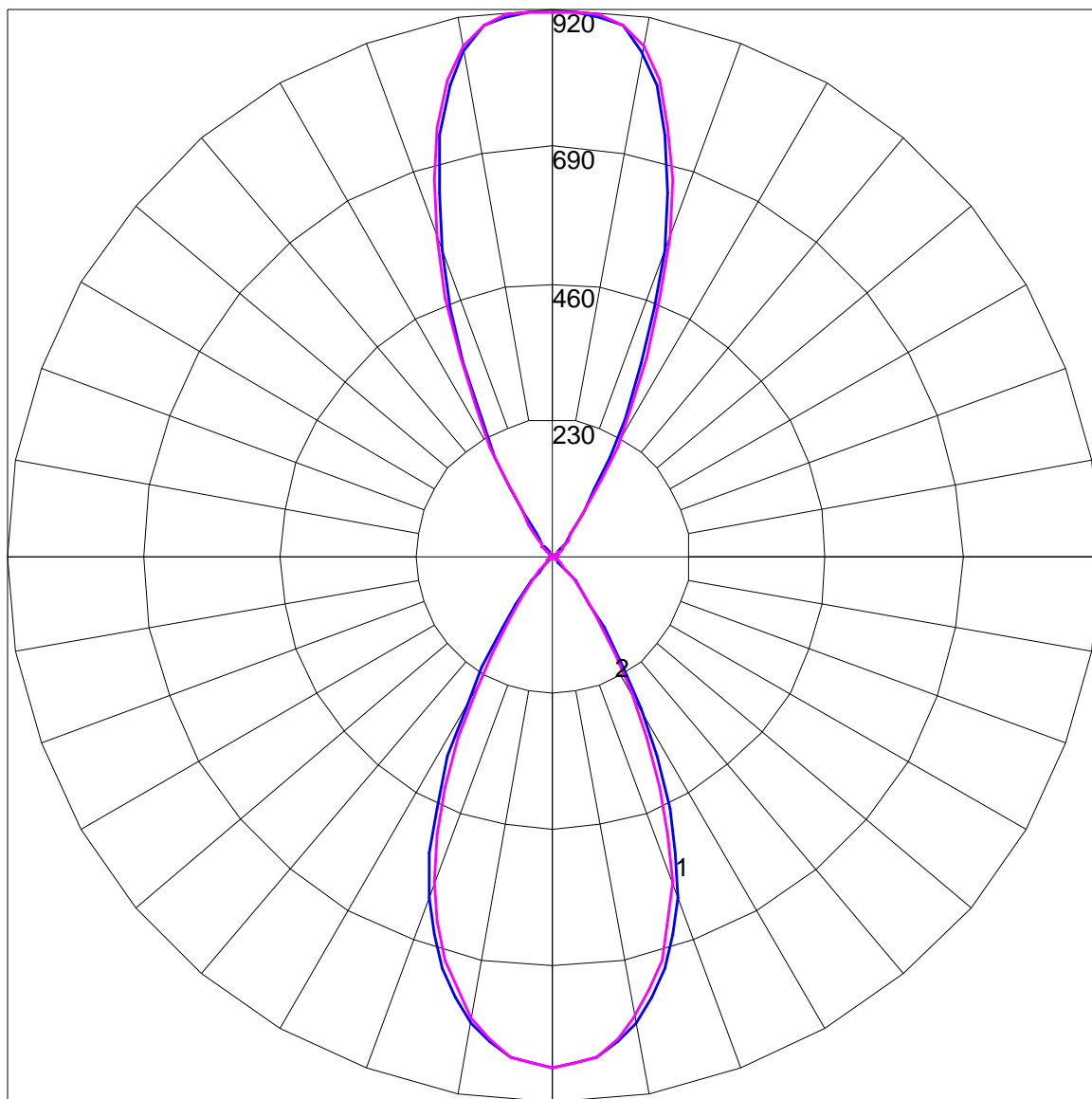
Effective Floor Cavity Reflectance 0.20

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	108	108	108	108	100	100	100	100	84	84	84	71	71	71	58	58	58	52
1	101	97	94	92	93	91	88	86	78	76	74	66	65	64	55	54	54	49
2	94	89	84	80	87	83	79	75	72	69	67	62	60	58	52	51	50	46
3	88	81	75	71	82	76	71	67	66	63	60	58	55	53	49	48	47	43
4	83	74	68	64	77	70	65	61	62	58	55	54	51	49	47	45	44	40
5	78	69	62	57	73	65	59	55	58	53	50	51	48	45	44	42	41	38
6	73	63	57	52	68	60	54	50	54	49	46	48	45	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	44	61	52	47	43	47	43	40	43	39	37	38	36	34	32
9	62	52	45	41	58	49	44	40	45	40	37	40	37	35	36	34	32	30
10	58	48	42	38	55	46	41	37	42	38	35	38	35	33	35	32	30	29

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00634_2 ~ C0310UDXT-10LWDGL-10LWD-XXKEX-SOXXMW (UP_DOWN).IES

POLAR GRAPH



Maximum Candela = 919.84 Located At Horizontal Angle = 67.5, Vertical Angle = 177.5

1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)

2 - Vertical Plane Through Horizontal Angles (0 - 180)