

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00634_2 ~ C0310UDXT-7LWDGL-7LWD-XXKEX-SOXXMW (UP_DOWN).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00634_2_M-7L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 1/29/2018
 [LUMCAT] C0310UDXT-7L-WD-GL-7L-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, scaled from 10L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	807
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	12.4
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5113	5283	5844
55	1438	1526	1067
65	1213	1266	1048
75	1288	928	846
85	2349	3047	2291

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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>
0.0	602.726	602.726	602.726	602.726	602.726
2.5	598.512	597.995	597.921	598.380	597.298
5.0	594.298	593.264	593.116	594.035	591.870
7.5	573.560	574.550	573.431	577.113	574.807
10.0	552.823	555.836	553.745	560.190	557.745
12.5	523.896	527.042	523.979	532.598	530.279
15.0	494.969	498.247	494.211	505.007	502.812
17.5	452.566	457.930	454.545	466.922	464.261
20.0	410.163	417.612	414.879	428.837	425.710
22.5	355.494	364.234	362.293	378.256	375.005
25.0	300.824	310.855	309.707	327.676	324.299
27.5	241.436	250.758	250.986	267.439	265.288
30.0	182.048	190.661	192.265	207.203	206.277
32.5	135.611	142.537	143.454	155.670	155.566
35.0	89.173	94.412	94.643	104.138	104.855
37.5	61.981	64.713	65.856	71.805	72.969
40.0	34.790	35.014	37.069	39.473	41.082
42.5	23.106	22.841	24.436	26.204	27.070
45.0	11.423	10.668	11.803	12.935	13.058
47.5	7.776	7.382	8.084	9.022	8.777
50.0	4.128	4.096	4.365	5.109	4.495
52.5	3.368	3.724	3.566	3.897	3.214
55.0	2.607	3.352	2.766	2.685	1.933
57.5	2.404	2.787	2.568	2.204	1.728
60.0	2.202	2.223	2.370	1.723	1.522
62.5	1.912	1.776	2.030	1.593	1.462
65.0	1.620	1.329	1.690	1.462	1.400
67.5	1.385	1.263	1.427	1.380	1.317
70.0	1.150	1.198	1.165	1.298	1.235
72.5	1.102	1.032	0.962	0.999	0.964
75.0	1.053	0.866	0.759	0.699	0.692
77.5	0.874	0.874	0.857	0.764	0.743
80.0	0.695	0.881	0.955	0.829	0.794
82.5	0.671	0.965	0.897	0.925	0.713
85.0	0.647	1.049	0.839	1.019	0.631
87.5	0.730	0.688	0.804	0.669	0.638
90.0	0.812	0.327	0.768	0.319	0.645
92.5	1.795	1.597	2.065	1.753	1.835
95.0	1.995	1.632	2.083	1.674	2.039
97.5	1.729	2.680	2.652	1.506	2.123
100.0	1.775	3.055	2.451	1.913	2.315
102.5	3.097	2.863	2.435	2.344	2.820
105.0	3.283	2.820	2.570	2.702	2.908
107.5	3.610	3.874	2.885	3.065	3.332
110.0	4.044	3.989	3.464	3.228	3.998
112.5	3.986	3.694	3.632	3.253	4.242
115.0	3.949	3.449	3.637	3.893	4.503
117.5	4.238	3.314	4.530	4.649	4.972
120.0	4.665	4.529	5.540	4.699	5.503
122.5	5.662	5.743	6.485	4.710	6.264
125.0	7.106	6.950	7.426	5.891	7.291

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127.5	10.042	8.506	9.073	7.126	9.134
130.0	13.044	12.176	10.744	10.864	11.527
132.5	16.232	15.776	14.348	14.575	15.373
135.0	20.026	19.048	17.974	17.790	19.174
137.5	25.253	22.837	22.179	21.153	22.874
140.0	33.145	28.547	27.029	26.161	28.659
142.5	46.362	38.898	39.791	33.845	38.355
145.0	68.723	63.546	55.287	61.913	60.089
147.5	107.136	93.012	94.097	92.375	101.695
150.0	149.858	134.763	134.904	136.130	147.880
152.5	199.057	183.014	187.818	183.968	200.547
155.0	258.280	245.415	244.315	249.707	260.652
157.5	330.651	310.966	317.741	315.738	329.960
160.0	399.693	382.423	389.406	382.817	396.346
162.5	464.916	450.508	454.355	449.060	459.565
165.0	523.487	513.194	515.839	512.869	519.298
167.5	575.469	565.071	566.614	568.758	575.770
170.0	610.340	601.646	608.672	604.780	611.419
172.5	630.364	626.829	628.025	631.608	630.013
175.0	640.398	638.123	641.833	639.044	638.970
177.5	642.846	643.008	643.330	643.888	641.029
180.0	641.900	641.900	641.900	641.900	641.900

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Zone	Lumens	%Lamp	%Fixt
0-20	193.23	N.A.	24.00
0-30	334.41	N.A.	41.50
0-40	399.77	N.A.	49.60
0-60	414.82	N.A.	51.40
0-80	417.33	N.A.	51.70
0-90	418.20	N.A.	51.80
10-90	362.91	N.A.	45.00
20-40	206.54	N.A.	25.60
20-50	218.91	N.A.	27.10
40-70	16.59	N.A.	2.10
60-80	2.51	N.A.	0.30
70-80	0.97	N.A.	0.10
80-90	0.86	N.A.	0.10
90-110	5.10	N.A.	0.60
90-120	9.08	N.A.	1.10
90-130	15.62	N.A.	1.90
90-150	72.70	N.A.	9.00
90-180	388.47	N.A.	48.20
110-180	383.37	N.A.	47.50
0-180	806.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	55.29
10-20	137.94
20-30	141.19
30-40	65.36
40-50	12.36
50-60	2.68
60-70	1.55
70-80	0.97
80-90	0.86
90-100	1.99
100-110	3.11
110-120	3.98
120-130	6.54
130-140	14.57
140-150	42.50
150-160	114.65
160-170	141.08
170-180	60.04

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

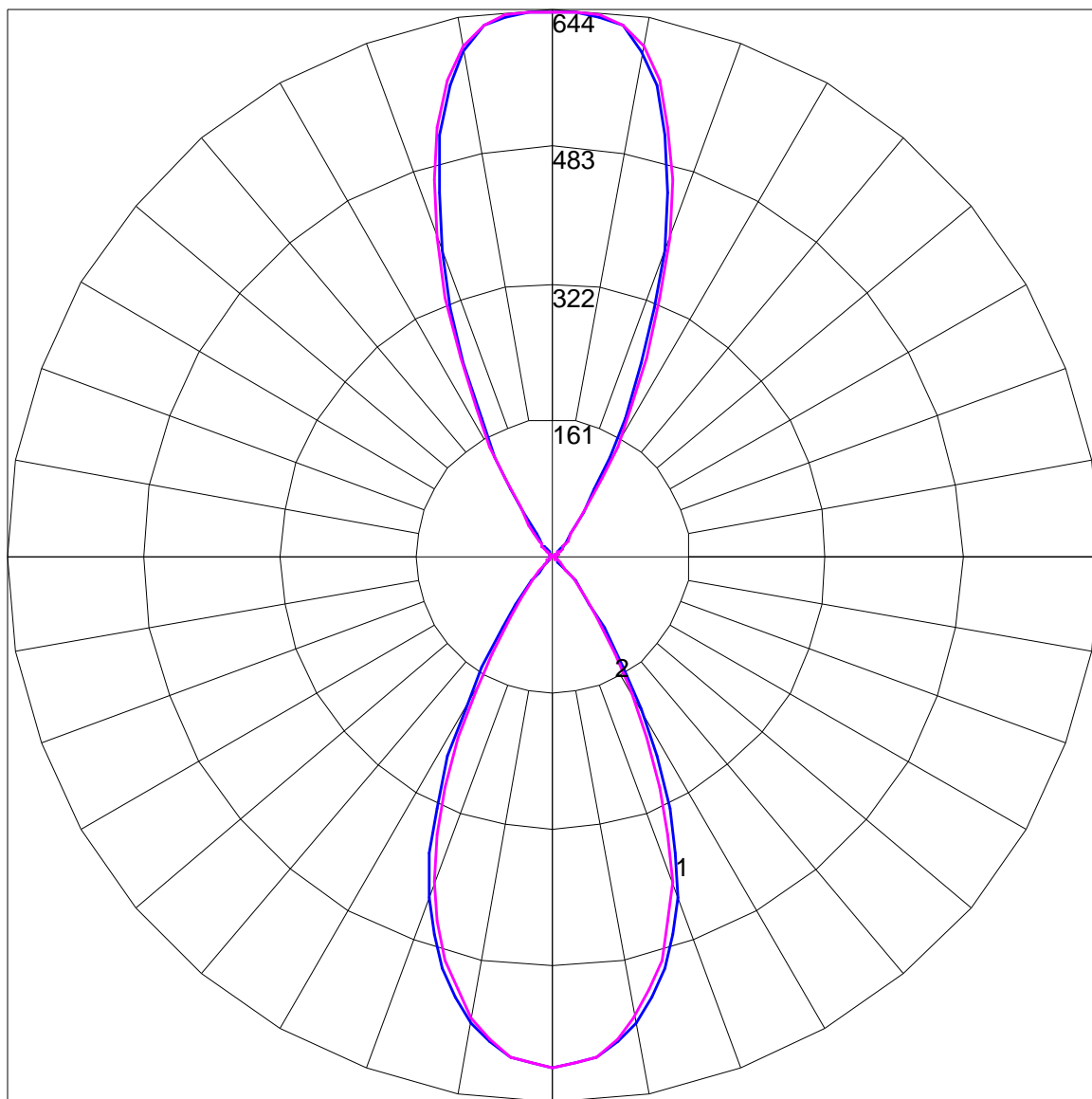
Effective Floor Cavity Reflectance 0.20

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	108	108	108	108	99	99	99	99	84	84	84	70	70	70	58	58	58	52
1	101	97	94	92	93	90	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	63	77	70	65	61	62	58	55	54	51	49	47	45	44	40
5	78	69	62	57	73	65	59	55	57	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	51	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

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POLAR GRAPH



Maximum Candela = 643.888 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)