

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00634 ~ C0310UDXT-10LMDGL-10LMD-XXKEX-SOXXMW (UP\_DOWN).IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00634  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUE DATE] 10/13/2017  
 [UPDATE] 1/29/2018  
 [LUMCAT] C0310UDXT-10L-MD-GL-10L-MD-xxK-EX-SO-xx-MW (Up/Down)  
 [LUMINAIRE] Nom. 3" Diam. x 10" H Direct/Indirect Cylinder  
 [OTHER] Uplight: Medium Beam, Flush Clear Glass lens  
 [OTHER] Uplight: 39.8 Degree Beam Angle  
 [OTHER] Downlight: Medium Beam, Regressed Solite lens  
 [OTHER] Downlight: 41.7 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	1227
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5258	5688	4825
55	2113	2037	1648
65	1549	1701	1621
75	1004	1675	1802
85	5476	4521	3951

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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	1288.697	1288.697	1288.697	1288.697	1288.697
2.5	1257.511	1265.121	1262.163	1266.895	1265.835
5.0	1226.325	1241.544	1235.628	1245.093	1242.972
7.5	1151.238	1167.753	1161.497	1176.666	1173.605
10.0	1076.151	1093.962	1087.366	1108.238	1104.238
12.5	983.147	1000.965	993.821	1018.103	1012.739
15.0	890.142	907.967	900.275	927.968	921.240
17.5	787.391	806.771	799.329	827.153	818.715
20.0	684.639	705.575	698.383	726.337	716.190
22.5	569.234	591.707	585.696	611.644	600.006
25.0	453.829	477.839	473.008	496.950	483.821
27.5	345.310	364.387	362.362	378.828	369.739
30.0	236.791	250.935	251.715	260.705	255.657
32.5	165.566	174.658	177.244	180.007	178.913
35.0	94.341	98.381	102.773	99.309	102.168
37.5	63.740	65.815	69.175	66.989	67.735
40.0	33.139	33.248	35.577	34.669	33.301
42.5	22.444	22.777	24.143	23.697	22.041
45.0	11.748	12.306	12.709	12.725	10.781
47.5	8.969	9.010	9.382	9.234	8.119
50.0	6.189	5.713	6.054	5.742	5.457
52.5	5.010	4.443	4.873	4.776	4.222
55.0	3.830	3.172	3.692	3.809	2.987
57.5	3.091	3.084	3.228	3.481	2.608
60.0	2.351	2.996	2.764	3.152	2.228
62.5	2.210	2.851	2.518	2.591	2.197
65.0	2.069	2.706	2.271	2.029	2.165
67.5	1.899	2.185	2.196	1.955	1.885
70.0	1.729	1.663	2.121	1.880	1.604
72.5	1.275	1.449	1.746	1.686	1.539
75.0	0.821	1.234	1.370	1.492	1.474
77.5	1.145	1.132	1.307	1.311	1.357
80.0	1.468	1.029	1.243	1.130	1.239
82.5	1.488	1.408	1.244	1.159	1.164
85.0	1.508	1.786	1.245	1.187	1.088
87.5	1.248	1.112	1.178	0.825	1.044
90.0	0.988	0.437	1.110	0.462	0.999
92.5	2.948	2.921	2.968	2.595	3.212
95.0	2.711	2.735	2.470	2.699	2.546
97.5	2.973	2.480	2.332	3.296	3.219
100.0	3.649	2.421	2.727	3.365	2.802
102.5	3.734	3.056	2.628	3.170	2.818
105.0	3.845	3.965	3.157	3.115	3.053
107.5	4.008	4.424	4.263	3.685	3.478
110.0	4.274	4.235	4.401	4.097	4.305
112.5	4.782	3.771	4.887	4.407	4.766
115.0	5.433	5.147	6.047	5.301	4.862
117.5	5.510	6.500	7.046	6.279	5.507
120.0	5.436	7.170	7.872	7.080	6.445
122.5	6.202	7.810	8.382	7.883	7.445
125.0	7.114	8.273	8.620	8.838	8.470

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127.5	8.906	9.158	10.009	9.834	10.189
130.0	10.795	11.853	12.227	11.300	12.129
132.5	12.871	14.476	14.925	13.030	14.716
135.0	14.957	16.861	17.900	16.567	17.454
137.5	24.005	21.138	23.510	20.936	22.626
140.0	33.412	30.153	30.339	29.128	28.201
142.5	49.946	43.417	44.205	39.284	42.215
145.0	69.109	65.057	60.703	56.286	57.109
147.5	112.148	99.102	100.069	83.927	91.765
150.0	161.373	153.313	145.916	139.725	127.609
152.5	247.542	227.278	230.806	212.111	225.825
155.0	339.571	327.192	323.662	318.858	325.527
157.5	455.820	434.530	443.710	432.389	451.989
160.0	572.297	549.909	567.651	557.479	577.941
162.5	689.471	664.981	684.665	679.955	699.493
165.0	807.633	779.776	801.127	798.837	820.458
167.5	928.208	896.895	919.057	913.169	938.049
170.0	1031.075	1015.703	1035.774	1022.349	1044.300
172.5	1099.839	1090.792	1096.178	1097.880	1105.057
175.0	1149.674	1139.874	1153.321	1141.946	1153.856
177.5	1169.851	1163.889	1169.135	1167.286	1166.955
180.0	1175.000	1175.000	1175.000	1175.000	1175.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00634 ~ C0310UDXT-10LMDGL-10LMD-XXKEX-SOXXMW (UP\_DOWN).IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	364.35	N.A.	29.70
0-30	580.17	N.A.	47.30
0-40	653.81	N.A.	53.30
0-60	669.49	N.A.	54.50
0-80	673.25	N.A.	54.80
0-90	674.53	N.A.	55.00
10-90	561.39	N.A.	45.70
20-40	289.46	N.A.	23.60
20-50	301.65	N.A.	24.60
40-70	17.95	N.A.	1.50
60-80	3.77	N.A.	0.30
70-80	1.49	N.A.	0.10
80-90	1.28	N.A.	0.10
90-110	6.49	N.A.	0.50
90-120	11.89	N.A.	1.00
90-130	19.73	N.A.	1.60
90-150	77.86	N.A.	6.30
90-180	552.96	N.A.	45.00
110-180	546.47	N.A.	44.50
0-180	1227.5	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	113.15
10-20	251.20
20-30	215.82
30-40	73.64
40-50	12.19
50-60	3.49
60-70	2.28
70-80	1.49
80-90	1.28
90-100	2.77
100-110	3.72
110-120	5.40
120-130	7.84
130-140	14.15
140-150	43.98
150-160	150.23
160-170	219.34
170-180	105.53

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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

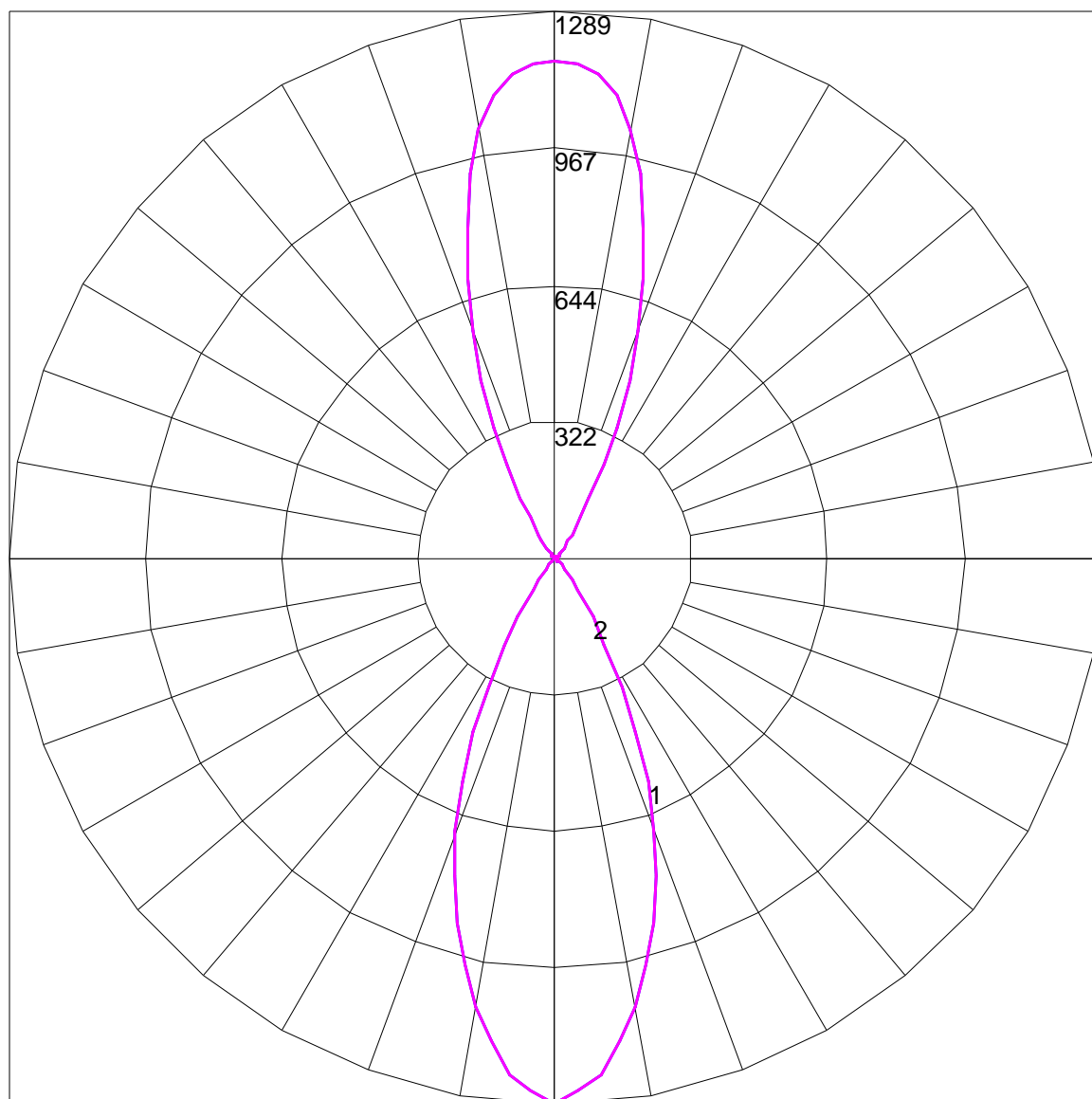
Effective Floor Cavity Reflectance 0.20

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	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	102	99	96	93	95	92	90	87	80	78	77	68	67	66	58	57	57	52
2	96	90	86	82	89	85	81	77	74	71	69	64	63	61	55	54	53	49
3	90	83	77	73	84	78	73	70	69	66	63	61	58	56	53	51	50	47
4	85	76	71	66	79	72	67	63	64	61	58	57	55	52	50	49	47	44
5	80	71	65	60	75	67	62	58	60	56	53	54	51	49	48	46	45	42
6	75	66	60	55	71	63	57	53	57	53	50	51	48	46	46	44	42	40
7	71	62	56	51	67	59	53	50	54	49	46	49	45	43	44	42	40	38
8	68	58	52	48	64	55	50	46	51	46	43	46	43	41	42	40	38	36
9	64	55	49	45	61	52	47	43	48	44	41	44	41	39	40	38	36	34
10	61	51	46	42	58	49	44	41	46	41	39	42	39	37	38	36	34	33

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## POLAR GRAPH



Maximum Candela = 1288.697 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)