

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00634_1 ~ C0310UDXT-10LNDGL-10LND-XXKEX-GLXXMW (UP_DOWN).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00634_1
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 1/29/2018
 [LUMCAT] C0310UDXT-10L-ND-GL-10L-ND-xxK-EX-GL-xx-MW (Up/Down)
 [LUMINAIRE] Nom. 3" Diam. x 10" H Direct/Indirect Cylinder
 [OTHER] Uplight: Narrow Beam, Flush Clear Glass lens
 [OTHER] Uplight: 20 Degree Beam Angle
 [OTHER] Downlight: Narrow Beam, Regressed Clear Glass lens
 [OTHER] Downlight: 24.5 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	1045
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	57
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)	0.25 ft (Diameter)
Luminous Width (90-270)	0.25 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	356	459	430
55	495	417	537
65	690	715	589
75	932	1068	938
85	1900	3014	2443

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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	2473.967	2473.967	2473.967	2473.967	2473.967
2.5	2390.990	2407.501	2405.840	2412.634	2387.295
5.0	2308.013	2341.035	2337.713	2351.299	2300.622
7.5	1959.941	2004.577	1957.735	1977.533	1912.041
10.0	1611.869	1668.117	1577.756	1603.767	1523.460
12.5	1194.110	1240.334	1183.013	1209.114	1155.341
15.0	776.351	812.550	788.270	814.461	787.222
17.5	619.738	649.200	630.222	649.147	626.697
20.0	463.125	485.850	472.173	483.832	466.171
22.5	363.960	383.676	372.354	383.009	366.839
25.0	264.796	281.503	272.535	282.184	267.506
27.5	186.685	201.733	193.458	202.635	190.931
30.0	108.574	121.962	114.381	123.086	114.356
32.5	60.048	68.628	62.536	69.008	65.820
35.0	11.522	15.294	10.691	14.929	17.284
37.5	6.442	8.436	6.002	8.188	9.394
40.0	1.361	1.577	1.313	1.448	1.503
42.5	1.256	1.416	1.397	1.580	1.445
45.0	1.149	1.255	1.482	1.711	1.387
47.5	1.266	1.210	1.403	1.434	1.279
50.0	1.382	1.165	1.324	1.158	1.170
52.5	1.339	1.221	1.208	1.228	1.288
55.0	1.296	1.275	1.092	1.297	1.405
57.5	1.206	1.344	1.123	1.131	1.328
60.0	1.115	1.412	1.153	0.964	1.250
62.5	1.224	1.258	1.266	0.994	1.193
65.0	1.332	1.104	1.380	1.024	1.136
67.5	1.352	1.111	1.272	1.165	1.236
70.0	1.371	1.119	1.163	1.306	1.337
72.5	1.236	1.184	1.213	1.374	1.222
75.0	1.101	1.248	1.262	1.441	1.108
77.5	1.148	1.250	1.179	1.363	1.279
80.0	1.194	1.253	1.096	1.285	1.448
82.5	0.975	1.134	1.148	1.168	1.210
85.0	0.756	1.015	1.199	1.050	0.972
87.5	0.722	1.078	1.113	0.771	1.146
90.0	0.686	1.141	1.027	0.492	1.320
92.5	2.736	2.499	3.184	2.913	2.406
95.0	3.028	2.649	2.582	3.220	2.559
97.5	3.043	2.351	2.271	2.457	2.612
100.0	2.982	2.259	2.319	2.579	2.384
102.5	3.135	2.542	2.856	3.163	2.504
105.0	3.751	3.128	4.037	3.535	2.847
107.5	4.500	3.953	4.567	3.254	3.480
110.0	5.032	4.662	5.033	3.882	4.284
112.5	5.342	5.317	5.613	5.211	5.352
115.0	5.896	6.219	5.940	6.530	6.155
117.5	6.532	7.107	6.003	7.846	6.787
120.0	6.712	7.557	6.345	7.822	7.276
122.5	6.800	8.035	6.904	7.664	7.697
125.0	7.681	8.879	7.575	8.052	7.846

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127.5	8.709	9.753	8.328	8.485	7.877
130.0	9.616	10.951	10.283	9.740	8.648
132.5	10.503	12.196	13.106	11.055	9.730
135.0	14.561	13.926	15.914	14.070	12.544
137.5	19.116	16.086	18.711	17.186	16.044
140.0	24.980	22.070	22.665	21.883	21.033
142.5	31.033	28.185	27.397	26.652	26.575
145.0	39.434	35.360	33.060	32.972	33.138
147.5	48.135	44.116	39.317	39.355	40.070
150.0	74.056	64.579	60.877	62.746	67.491
152.5	102.070	92.004	91.685	86.591	101.867
155.0	182.063	165.344	157.195	160.457	171.359
157.5	267.561	242.210	243.207	235.190	252.214
160.0	362.996	340.639	342.722	329.995	344.333
162.5	459.334	447.932	449.794	425.297	439.923
165.0	649.569	605.635	632.363	595.008	613.787
167.5	847.736	795.859	855.567	767.189	810.111
170.0	1189.011	1154.197	1154.037	1121.298	1129.175
172.5	1540.290	1481.049	1491.449	1471.333	1481.664
175.0	1668.782	1651.303	1669.578	1642.971	1661.172
177.5	1783.959	1791.821	1769.822	1808.497	1796.050
180.0	1804.000	1804.000	1804.000	1804.000	1804.000

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Zone	Lumens	%Lamp	%Fixt
0-20	440.22	N.A.	42.10
0-30	567.92	N.A.	54.40
0-40	589.55	N.A.	56.40
0-60	591.72	N.A.	56.60
0-80	594.23	N.A.	56.90
0-90	595.38	N.A.	57.00
10-90	399.62	N.A.	38.30
20-40	149.32	N.A.	14.30
20-50	150.39	N.A.	14.40
40-70	3.36	N.A.	0.30
60-80	2.51	N.A.	0.20
70-80	1.32	N.A.	0.10
80-90	1.15	N.A.	0.10
90-110	6.30	N.A.	0.60
90-120	12.32	N.A.	1.20
90-130	19.67	N.A.	1.90
90-150	53.79	N.A.	5.10
90-180	449.30	N.A.	43.00
110-180	443.00	N.A.	42.40
0-180	1044.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	195.76
10-20	244.46
20-30	127.69
30-40	21.63
40-50	1.07
50-60	1.10
60-70	1.19
70-80	1.32
80-90	1.15
90-100	2.66
100-110	3.64
110-120	6.02
120-130	7.34
130-140	11.41
140-150	22.71
150-160	77.84
160-170	174.12
170-180	143.55

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

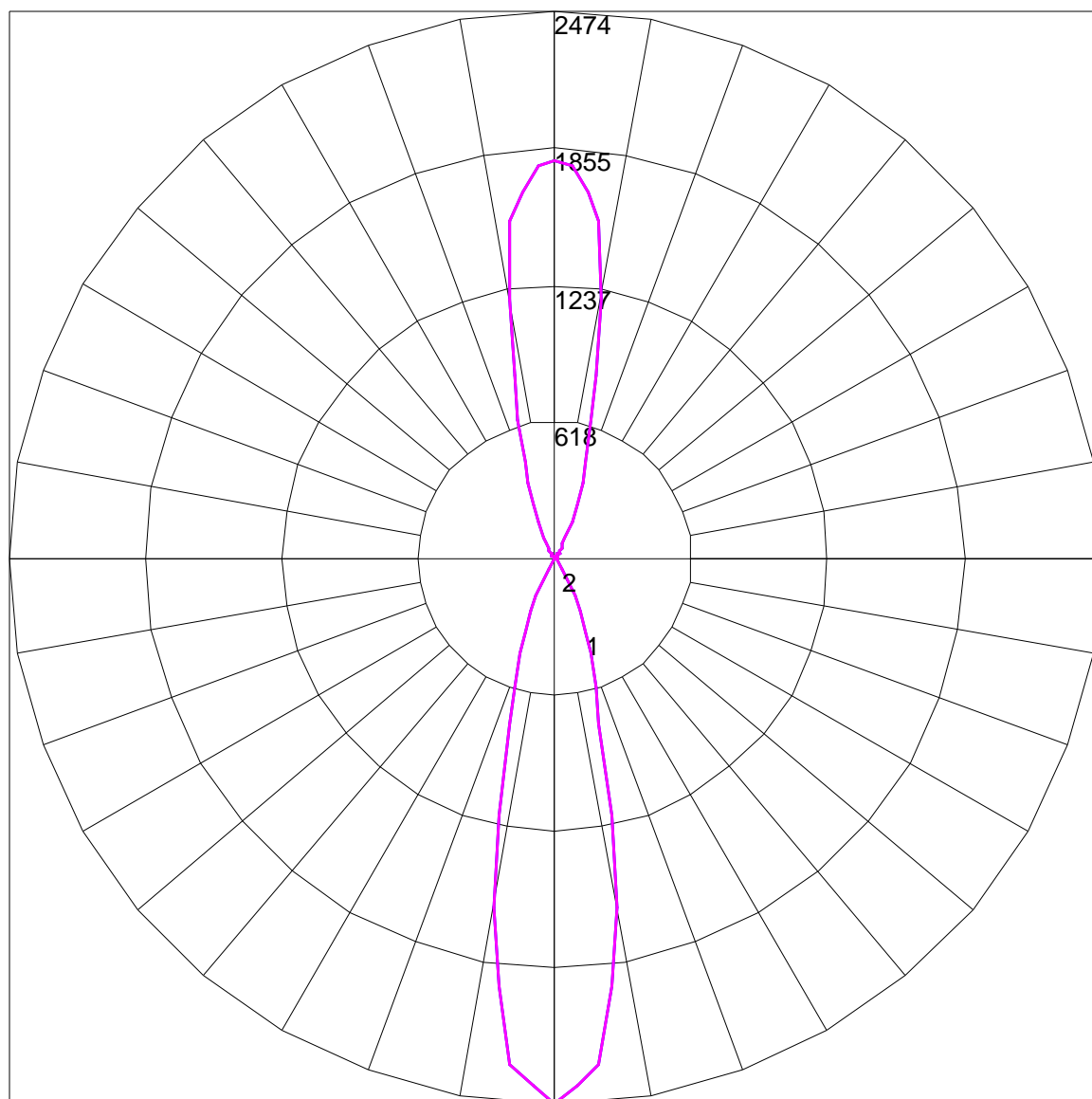
Effective Floor Cavity Reflectance 0.20

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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	63	63	63	57
1	103	100	97	95	96	93	91	89	81	80	79	71	70	69	60	60	59	55
2	97	92	88	84	91	87	83	80	76	74	72	67	66	64	59	58	57	53
3	92	85	80	76	86	81	77	73	72	69	67	64	62	60	57	55	54	51
4	87	80	74	70	82	76	71	68	68	65	62	61	59	57	55	53	52	49
5	83	75	69	65	78	71	67	63	65	61	59	59	56	54	53	51	50	47
6	79	71	65	61	75	68	63	59	62	58	55	56	54	52	51	50	48	46
7	76	67	61	57	72	64	59	56	59	55	53	54	52	50	50	48	47	45
8	72	64	58	54	69	61	56	53	57	53	50	52	50	48	48	46	45	43
9	69	61	55	52	66	58	54	50	54	51	48	51	48	46	47	45	44	42
10	67	58	53	49	64	56	51	48	52	49	46	49	46	44	46	44	42	41

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POLAR GRAPH



Maximum Candela = 2473.967 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)