

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00624_14 ~ C0824UDXT-13LWDGL-13LWD-XXKEX-TSG-SOXXX.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00624_14_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 10/13/2017
 [UPDATE] 12/15/2017
 [LUMCAT] C0824UDXT-13L-WD-GL-13L-WD-xxK-EX-TSG-SO-xxx (Up/Down)
 [LUMINAIRE] Nom. 8" Diam. x 24"H Direct/Indirect Cylinder
 [OTHER] Uplight: Wide Beam, Flush Clear Glass lens
 [OTHER] Uplight: 42.1 Degree Beam Angle
 [OTHER] Downlight: Wide Beam, Regressed Solite lens
 [OTHER] Downlight: 46 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	2017
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	26
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1929	2006	1707
55	214	232	215
65	54	46	46
75	65	66	71
85	228	285	273

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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	1595.904	1595.904	1595.904	1595.904	1595.904
2.5	1568.713	1572.503	1565.938	1566.829	1557.979
5.0	1541.522	1549.103	1535.971	1537.753	1520.054
7.5	1466.830	1475.971	1460.910	1463.682	1439.285
10.0	1392.137	1402.840	1385.849	1389.610	1358.516
12.5	1278.395	1291.805	1273.512	1278.395	1242.084
15.0	1164.652	1180.769	1161.175	1167.179	1125.651
17.5	1042.540	1056.863	1039.029	1043.502	1004.262
20.0	920.428	932.956	916.882	919.824	882.872
22.5	810.599	823.053	808.187	811.064	776.604
25.0	700.770	713.149	699.492	702.304	670.336
27.5	600.538	612.982	598.517	603.091	571.674
30.0	500.305	512.814	497.542	503.879	473.011
32.5	403.233	414.126	400.787	404.230	376.555
35.0	306.161	315.437	304.032	304.581	280.098
37.5	225.201	233.862	223.685	224.598	203.345
40.0	144.240	152.287	143.338	144.616	126.591
42.5	94.283	96.734	94.709	91.402	82.902
45.0	44.326	41.179	46.080	38.189	39.212
47.5	29.044	27.000	29.511	25.365	26.025
50.0	13.762	12.819	12.943	12.541	12.838
52.5	8.875	8.085	8.637	8.161	8.426
55.0	3.988	3.350	4.332	3.780	4.014
57.5	2.483	2.062	2.684	2.346	2.445
60.0	0.977	0.775	1.037	0.911	0.875
62.5	0.862	0.675	0.835	0.712	0.751
65.0	0.747	0.576	0.634	0.514	0.627
67.5	0.725	0.526	0.631	0.571	0.556
70.0	0.703	0.477	0.628	0.627	0.486
72.5	0.626	0.518	0.591	0.647	0.544
75.0	0.549	0.558	0.553	0.666	0.601
77.5	0.627	0.487	0.599	0.562	0.573
80.0	0.703	0.415	0.643	0.458	0.545
82.5	0.675	0.619	0.726	0.733	0.660
85.0	0.647	0.822	0.808	1.008	0.773
87.5	0.629	0.520	0.664	0.632	0.658
90.0	0.610	0.218	0.519	0.255	0.543
92.5	5.356	4.790	4.517	4.532	4.727
95.0	5.163	4.402	3.738	4.272	4.853
97.5	4.423	4.202	3.786	3.946	3.739
100.0	4.248	3.919	4.274	3.260	3.703
102.5	4.759	3.455	3.444	2.348	3.713
105.0	4.859	3.683	3.440	3.411	3.017
107.5	4.110	3.687	3.500	3.406	3.024
110.0	4.000	3.280	3.489	3.134	3.175
112.5	4.104	3.485	3.407	3.138	3.435
115.0	4.644	3.994	3.303	3.129	3.534
117.5	5.218	4.714	3.889	3.108	3.619
120.0	6.374	5.494	4.531	3.550	3.965
122.5	7.841	9.953	7.968	4.344	4.746
125.0	22.561	15.259	11.820	18.577	9.361

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127.5	39.308	49.126	49.728	41.516	21.508
130.0	88.065	88.039	88.563	85.710	80.342
132.5	137.281	142.062	145.889	141.828	138.872
135.0	191.144	198.076	202.243	194.711	195.915
137.5	242.370	242.851	248.150	246.033	248.722
140.0	275.465	286.614	291.140	282.232	285.252
142.5	306.525	306.901	311.723	312.304	317.401
145.0	326.957	326.073	332.329	335.208	335.958
147.5	347.819	347.135	353.063	355.618	355.238
150.0	370.458	368.569	375.651	377.292	376.436
152.5	401.850	405.199	406.335	399.325	409.300
155.0	462.249	446.068	452.891	467.964	467.987
157.5	541.982	554.066	555.723	547.082	554.201
160.0	675.198	665.769	671.063	685.264	692.698
162.5	811.892	815.144	822.508	834.149	836.587
165.0	956.736	960.690	965.524	972.730	989.322
167.5	1082.803	1079.890	1088.008	1109.957	1117.349
170.0	1171.856	1184.981	1183.873	1185.796	1210.682
172.5	1220.591	1216.330	1224.395	1256.126	1253.531
175.0	1199.697	1233.696	1238.795	1234.568	1233.701
177.5	1177.155	1193.092	1207.176	1208.314	1207.051
180.0	1160.900	1160.900	1160.900	1160.900	1160.900

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Zone	Lumens	%Lamp	%Fixt
0-20	463.12	N.A.	23.00
0-30	783.58	N.A.	38.90
0-40	975.96	N.A.	48.40
0-60	1025.85	N.A.	50.90
0-80	1027.12	N.A.	50.90
0-90	1027.83	N.A.	51.00
10-90	886.27	N.A.	43.90
20-40	512.84	N.A.	25.40
20-50	558.00	N.A.	27.70
40-70	50.55	N.A.	2.50
60-80	1.27	N.A.	0.10
70-80	0.61	N.A.	0.00
80-90	0.71	N.A.	0.00
90-110	7.89	N.A.	0.40
90-120	11.64	N.A.	0.60
90-130	35.84	N.A.	1.80
90-150	389.66	N.A.	19.30
90-180	989.03	N.A.	49.00
110-180	981.15	N.A.	48.60
0-180	2016.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	141.55
10-20	321.56
20-30	320.47
30-40	192.38
40-50	45.16
50-60	4.73
60-70	0.67
70-80	0.61
80-90	0.71
90-100	4.15
100-110	3.74
110-120	3.75
120-130	24.20
130-140	147.07
140-150	206.76
150-160	220.25
160-170	263.03
170-180	116.09

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

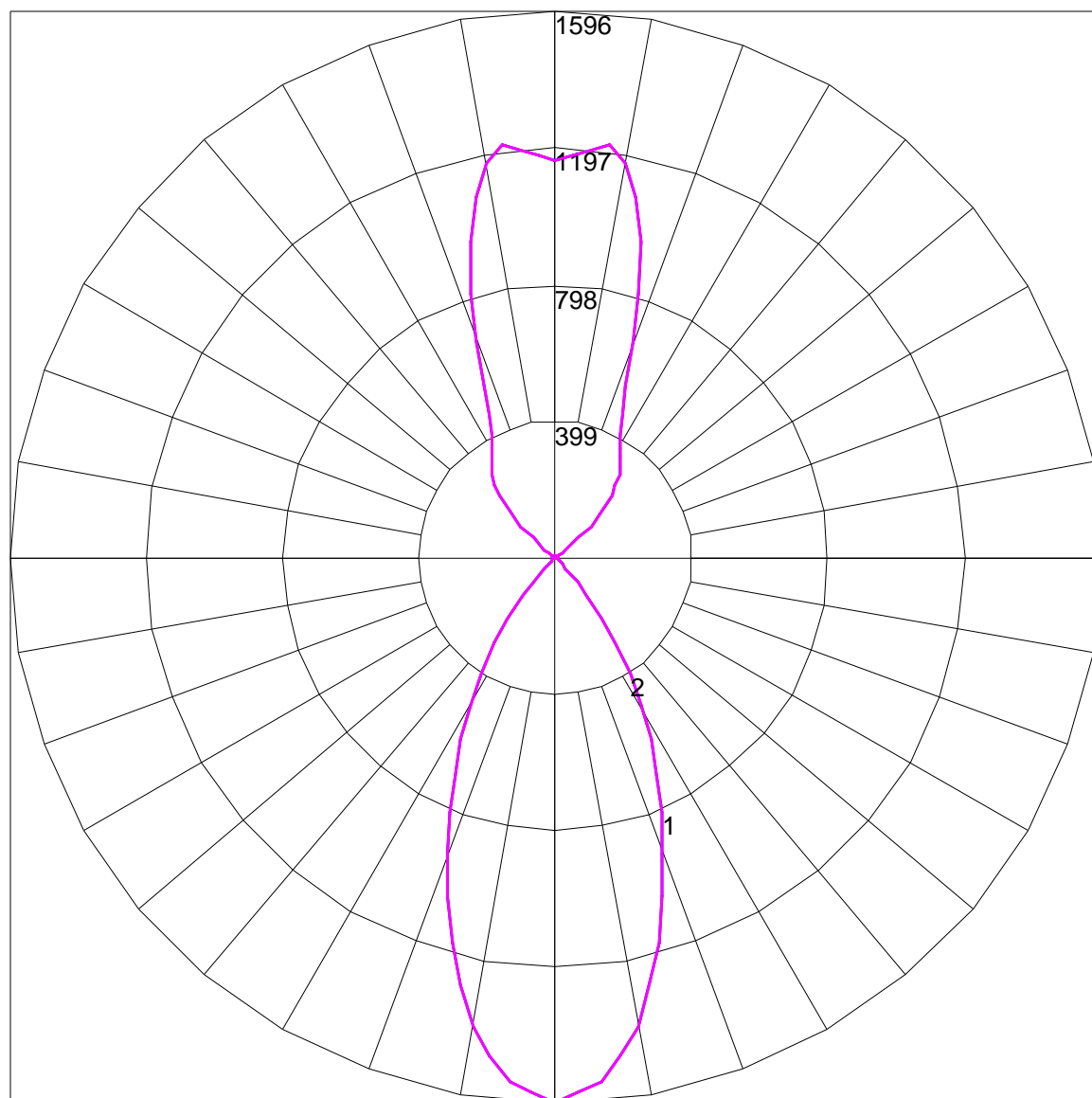
Effective Floor Cavity Reflectance 0.20

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	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	85	77	76	74	65	64	63	54	54	53	48
2	94	88	84	80	87	82	78	75	71	68	66	61	59	57	51	50	49	45
3	88	81	75	70	82	75	71	67	66	62	60	57	55	53	49	47	46	42
4	82	74	68	63	77	69	64	60	61	57	54	53	51	48	46	44	43	40
5	77	68	62	57	72	64	59	54	57	53	50	50	47	45	44	42	40	37
6	73	63	56	52	68	60	54	50	53	49	46	47	44	41	41	39	38	35
7	68	58	52	47	64	55	50	46	50	45	42	44	41	39	39	37	35	33
8	64	54	48	44	60	52	46	42	47	42	39	42	39	36	37	35	33	31
9	61	51	45	40	57	48	43	39	44	40	36	39	36	34	35	33	31	29
10	58	48	42	38	54	46	40	36	41	37	34	37	34	32	34	31	30	28

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POLAR GRAPH



Maximum Candela = 1595.904 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)