

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00624_13 ~ C0824UDXT-13LNDGL-13LND-XXKEX-TSG-GLXXX.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00624_13_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 4/4/2018
 [LUMCAT] C0824UDXT-13L-ND-GL-13L-ND-xxK-EX-TSG-GL-xxx (Up/Down)
 [LUMINAIRE] Nom. 8" Diam. x 24"H Direct/Indirect Cylinder
 [OTHER] Uplight: Narrow Beam, Flush Clear Glass lens
 [OTHER] Uplight: 23.1 Degree Beam Angle
 [OTHER] Downlight: Narrow Beam, Regressed Clear Glass lens
 [OTHER] Downlight: 20.9 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	2219
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00624_13 ~ C0824UDXT-13LNDGL-13LND-XXKEX-TSG-GLXXX.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	531	767	541
55	32	55	40
65	43	36	61
75	80	44	81
85	200	202	162

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	4471.023	4471.023	4471.023	4471.023	4471.023
2.5	4189.389	4256.455	4187.950	4167.805	4146.243
5.0	3907.755	4041.886	3904.876	3864.587	3821.464
7.5	3224.899	3353.395	3231.443	3181.753	3119.097
10.0	2542.042	2664.904	2558.009	2498.919	2416.730
12.5	1967.539	2068.774	1985.377	1935.670	1858.610
15.0	1393.035	1472.645	1412.744	1372.420	1300.489
17.5	1097.583	1157.246	1115.710	1083.470	1027.252
20.0	802.130	841.847	818.675	794.520	754.014
22.5	673.726	704.501	686.451	666.905	634.912
25.0	545.323	567.155	554.226	539.289	515.809
27.5	478.746	499.810	486.849	474.248	452.717
30.0	412.169	432.465	419.472	409.208	389.625
32.5	346.911	370.351	354.130	344.755	325.814
35.0	281.654	308.236	288.789	280.302	262.002
37.5	196.180	223.003	203.052	196.756	183.371
40.0	110.705	137.768	117.315	113.209	104.741
42.5	61.456	71.479	67.472	64.101	58.590
45.0	12.206	5.188	17.629	14.994	12.439
47.5	6.553	3.018	9.410	8.185	6.908
50.0	0.900	0.847	1.191	1.375	1.375
52.5	0.744	0.871	1.109	0.964	1.063
55.0	0.589	0.895	1.026	0.552	0.749
57.5	0.541	0.809	0.835	0.453	0.581
60.0	0.492	0.721	0.643	0.354	0.413
62.5	0.541	0.569	0.571	0.506	0.627
65.0	0.591	0.417	0.497	0.658	0.840
67.5	0.707	0.509	0.517	0.620	0.840
70.0	0.823	0.601	0.536	0.582	0.839
72.5	0.749	0.549	0.454	0.534	0.759
75.0	0.676	0.498	0.372	0.486	0.679
77.5	0.638	0.439	0.391	0.441	0.597
80.0	0.599	0.381	0.411	0.397	0.516
82.5	0.582	0.536	0.491	0.491	0.487
85.0	0.565	0.690	0.572	0.584	0.458
87.5	0.591	0.601	0.673	0.511	0.419
90.0	0.617	0.512	0.774	0.437	0.380
92.5	15.053	15.559	13.948	13.022	14.687
95.0	12.846	13.042	11.985	11.276	12.401
97.5	9.797	9.144	9.847	9.763	8.371
100.0	7.589	8.609	7.967	6.980	8.019
102.5	6.510	7.234	6.402	5.566	6.851
105.0	6.297	5.533	5.195	5.400	4.562
107.5	4.996	4.594	4.268	4.538	4.189
110.0	4.001	3.778	3.136	3.170	4.597
112.5	3.423	3.065	2.658	2.739	3.492
115.0	3.038	2.879	3.010	2.365	2.772
117.5	2.749	2.690	3.015	2.075	2.299
120.0	2.730	2.496	2.861	2.204	2.332
122.5	2.800	2.888	2.998	2.658	2.452
125.0	4.926	4.582	3.219	4.425	5.399

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127.5	7.710	6.398	5.416	7.055	8.529
130.0	8.310	8.484	8.154	8.521	9.537
132.5	8.175	11.424	9.908	9.188	10.416
135.0	21.814	16.365	11.384	21.863	21.741
137.5	40.130	34.258	39.933	42.821	33.761
140.0	91.330	82.673	76.378	89.480	87.686
142.5	154.253	139.436	140.460	154.564	144.662
145.0	228.943	216.772	212.856	227.273	219.506
147.5	307.861	293.628	289.830	305.483	295.762
150.0	383.737	369.291	368.225	384.511	374.627
152.5	458.466	449.001	452.438	464.151	453.715
155.0	552.408	539.237	538.511	557.400	555.743
157.5	653.645	635.988	642.138	660.912	659.879
160.0	784.532	749.812	751.540	788.875	792.479
162.5	926.988	892.363	913.591	935.995	927.882
165.0	1201.377	1113.832	1093.468	1181.979	1191.900
167.5	1528.634	1423.078	1462.809	1505.911	1469.424
170.0	2080.597	1975.374	1898.164	1995.837	2066.697
172.5	2725.016	2496.524	2413.917	2621.669	2699.681
175.0	3089.663	2927.157	2958.484	3029.632	3045.225
177.5	3336.141	3260.803	3194.173	3258.105	3356.724
180.0	3385.850	3385.850	3385.850	3385.850	3385.850

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Zone	Lumens	%Lamp	%Fixt
0-20	737.46	N.A.	33.20
0-30	1000.53	N.A.	45.10
0-40	1171.08	N.A.	52.80
0-60	1198.67	N.A.	54.00
0-80	1199.8	N.A.	54.10
0-90	1200.39	N.A.	54.10
10-90	874.37	N.A.	39.40
20-40	433.62	N.A.	19.50
20-50	460.48	N.A.	20.70
40-70	28.16	N.A.	1.30
60-80	1.13	N.A.	0.10
70-80	0.55	N.A.	0.00
80-90	0.59	N.A.	0.00
90-110	16.83	N.A.	0.80
90-120	19.67	N.A.	0.90
90-130	23.96	N.A.	1.10
90-150	181.83	N.A.	8.20
90-180	1018.93	N.A.	45.90
110-180	1002.1	N.A.	45.20
0-180	2219.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	326.02
10-20	411.44
20-30	263.07
30-40	170.56
40-50	26.86
50-60	0.72
60-70	0.58
70-80	0.55
80-90	0.59
90-100	10.98
100-110	5.85
110-120	2.84
120-130	4.29
130-140	21.11
140-150	136.76
150-160	252.07
160-170	331.30
170-180	253.74

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

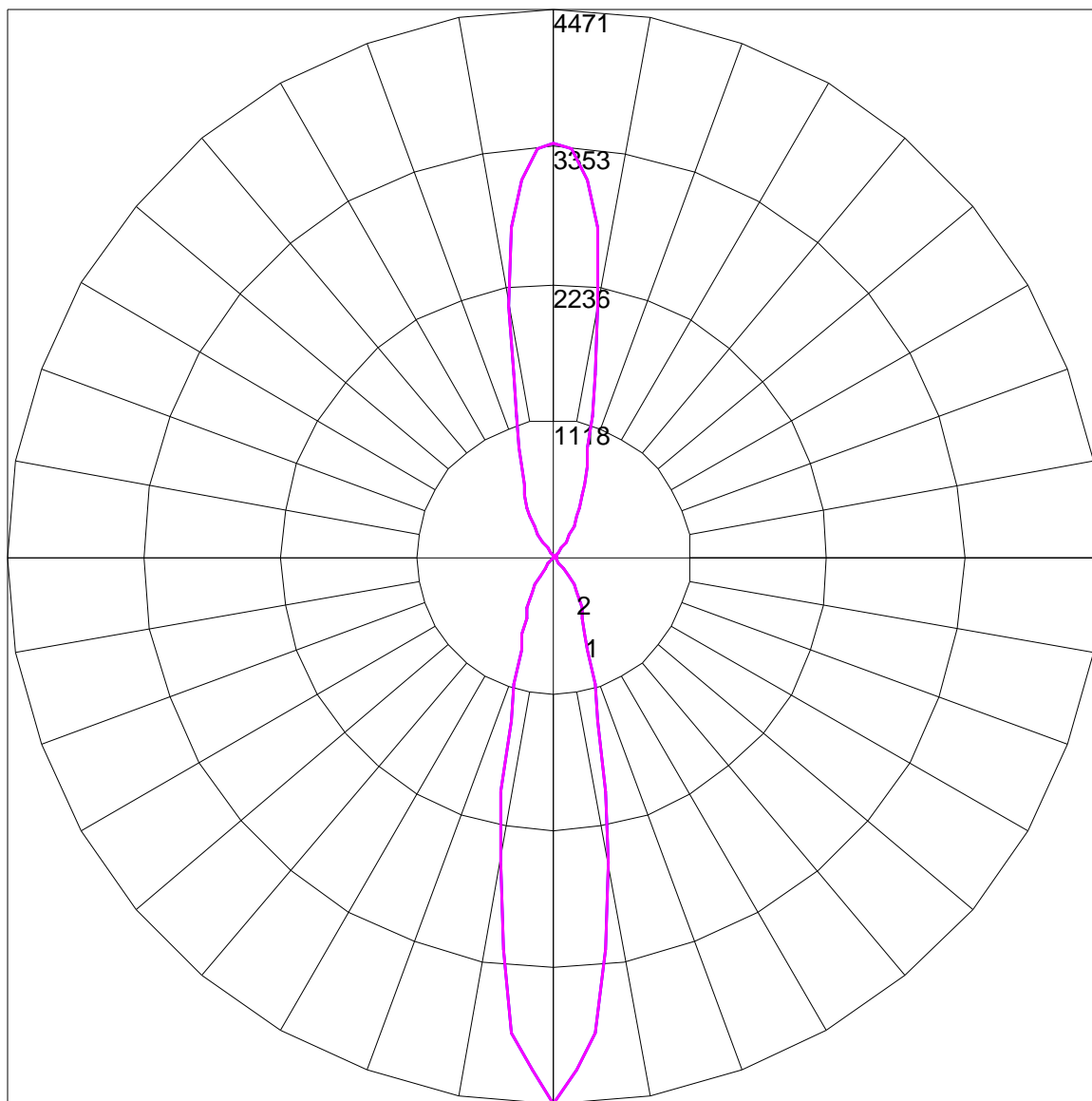
Effective Floor Cavity Reflectance 0.20

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	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	102	99	96	93	95	92	90	87	80	78	76	68	67	66	58	57	56	52
2	96	90	86	82	89	85	81	78	74	71	69	64	63	61	55	54	53	49
3	90	83	78	74	84	78	74	70	69	66	63	61	59	57	53	52	50	47
4	85	77	71	67	80	73	68	64	65	61	59	58	55	53	51	49	48	45
5	80	72	66	61	75	68	63	59	61	57	54	55	52	50	49	47	45	43
6	76	67	61	57	72	64	59	55	58	54	51	52	49	47	47	45	43	41
7	72	63	57	53	68	60	55	51	55	51	48	50	47	45	45	43	41	39
8	69	59	54	49	65	57	52	48	52	48	45	47	45	42	43	41	40	38
9	66	56	50	47	62	54	49	45	50	46	43	45	42	40	42	39	38	36
10	63	53	48	44	59	51	46	43	47	43	41	44	41	39	40	38	36	35

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POLAR GRAPH



Maximum Candela = 4471.023 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)