

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00624_13 ~ C0824UDXT-10LNDGL-10LND-XXKEX-TSG-GLXXX.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00624_13_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUDATE] 10/13/2017
 [UPDATE] 4/4/2018
 [LUMCAT] C0824UDXT-10L-ND-GL-10L-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	1647
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
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)	0.67 ft (Diameter)
Luminous Width (90-270)	0.67 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00624_13 ~ C0824UDXT-10LNDGL-10LND-XXKEX-TSG-GLXXX.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	394	570	402
55	23	41	30
65	32	27	45
75	60	33	60
85	148	150	120

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00624_13 ~ C0824UDXT-10LNDGL-10LND-XXKEX-TSG-GLXXX.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	3318.875	3318.875	3318.875	3318.875	3318.875
2.5	3109.816	3159.599	3108.747	3093.794	3077.788
5.0	2900.757	3000.323	2898.620	2868.713	2836.702
7.5	2393.867	2489.251	2398.725	2361.840	2315.330
10.0	1886.977	1978.179	1898.830	1854.967	1793.957
12.5	1460.519	1535.667	1473.761	1436.863	1379.660
15.0	1034.061	1093.156	1048.691	1018.758	965.363
17.5	814.744	859.033	828.200	804.268	762.537
20.0	595.427	624.909	607.709	589.778	559.710
22.5	500.112	522.957	509.558	495.048	471.300
25.0	404.797	421.003	411.407	400.318	382.889
27.5	355.377	371.013	361.392	352.038	336.055
30.0	305.956	321.022	311.377	303.758	289.222
32.5	257.515	274.915	262.874	255.915	241.854
35.0	209.074	228.806	214.370	208.070	194.486
37.5	145.626	165.537	150.727	146.053	136.118
40.0	82.177	102.266	87.084	84.036	77.750
42.5	45.619	53.059	50.085	47.583	43.492
45.0	9.061	3.851	13.086	11.130	9.234
47.5	4.865	2.240	6.985	6.076	5.128
50.0	0.668	0.629	0.884	1.021	1.021
52.5	0.552	0.647	0.823	0.716	0.789
55.0	0.437	0.664	0.762	0.410	0.556
57.5	0.401	0.600	0.620	0.336	0.431
60.0	0.365	0.536	0.478	0.262	0.306
62.5	0.402	0.423	0.424	0.375	0.465
65.0	0.439	0.309	0.369	0.488	0.624
67.5	0.525	0.378	0.384	0.460	0.623
70.0	0.611	0.446	0.398	0.432	0.623
72.5	0.556	0.408	0.337	0.396	0.564
75.0	0.502	0.370	0.276	0.360	0.504
77.5	0.473	0.326	0.290	0.328	0.443
80.0	0.444	0.283	0.305	0.295	0.383
82.5	0.432	0.398	0.365	0.364	0.361
85.0	0.420	0.512	0.425	0.434	0.340
87.5	0.439	0.446	0.500	0.379	0.311
90.0	0.458	0.380	0.575	0.325	0.282
92.5	11.174	11.550	10.354	9.666	10.903
95.0	9.536	9.681	8.896	8.370	9.206
97.5	7.273	6.787	7.310	7.247	6.214
100.0	5.633	6.391	5.914	5.181	5.953
102.5	4.833	5.370	4.752	4.132	5.086
105.0	4.674	4.108	3.856	4.008	3.387
107.5	3.708	3.410	3.168	3.368	3.110
110.0	2.970	2.805	2.328	2.353	3.413
112.5	2.541	2.275	1.973	2.033	2.592
115.0	2.255	2.137	2.234	1.755	2.057
117.5	2.041	1.997	2.238	1.541	1.707
120.0	2.026	1.853	2.123	1.636	1.731
122.5	2.079	2.144	2.226	1.973	1.820
125.0	3.657	3.402	2.389	3.284	4.008

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00624_13 ~ C0824UDXT-10LNDGL-10LND-XXKEX-TSG-GLXXX.IES****CANDELA TABULATION - (Cont.)**

127.5	5.723	4.749	4.020	5.237	6.331
130.0	6.169	6.298	6.053	6.325	7.079
132.5	6.068	8.480	7.355	6.820	7.732
135.0	16.193	12.148	8.451	16.229	16.138
137.5	29.789	25.430	29.643	31.787	25.061
140.0	67.795	61.369	56.696	66.421	65.090
142.5	114.503	103.504	104.265	114.734	107.384
145.0	169.946	160.912	158.005	168.707	162.941
147.5	228.528	217.963	215.143	226.762	219.547
150.0	284.851	274.128	273.336	285.425	278.088
152.5	340.323	333.297	335.848	344.543	336.796
155.0	410.057	400.280	399.741	413.762	412.532
157.5	485.206	472.099	476.664	490.600	489.833
160.0	582.364	556.591	557.874	585.588	588.264
162.5	688.111	662.408	678.165	694.796	688.774
165.0	891.791	826.806	811.690	877.392	884.756
167.5	1134.717	1056.362	1085.854	1117.850	1090.765
170.0	1544.443	1466.335	1409.022	1481.525	1534.125
172.5	2022.801	1853.189	1791.869	1946.085	2003.994
175.0	2293.481	2172.851	2196.105	2248.919	2260.494
177.5	2476.443	2420.519	2371.059	2418.516	2491.722
180.0	2513.342	2513.342	2513.342	2513.342	2513.342

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00624_13 ~ C0824UDXT-10LNDGL-10LND-XXKEX-TSG-GLXXX.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	547.42	N.A.	33.20
0-30	742.70	N.A.	45.10
0-40	869.30	N.A.	52.80
0-60	889.78	N.A.	54.00
0-80	890.62	N.A.	54.10
0-90	891.06	N.A.	54.10
10-90	649.05	N.A.	39.40
20-40	321.88	N.A.	19.50
20-50	341.82	N.A.	20.70
40-70	20.90	N.A.	1.30
60-80	0.84	N.A.	0.10
70-80	0.41	N.A.	0.00
80-90	0.44	N.A.	0.00
90-110	12.49	N.A.	0.80
90-120	14.60	N.A.	0.90
90-130	17.79	N.A.	1.10
90-150	134.98	N.A.	8.20
90-180	756.36	N.A.	45.90
110-180	743.87	N.A.	45.20
0-180	1647.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	242.01
10-20	305.41
20-30	195.28
30-40	126.61
40-50	19.94
50-60	0.54
60-70	0.43
70-80	0.41
80-90	0.44
90-100	8.15
100-110	4.35
110-120	2.11
120-130	3.19
130-140	15.67
140-150	101.52
150-160	187.11
160-170	245.93
170-180	188.35

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00624_13 ~ C0824UDXT-10LNDGL-10LND-XXKEX-TSG-GLXXX.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

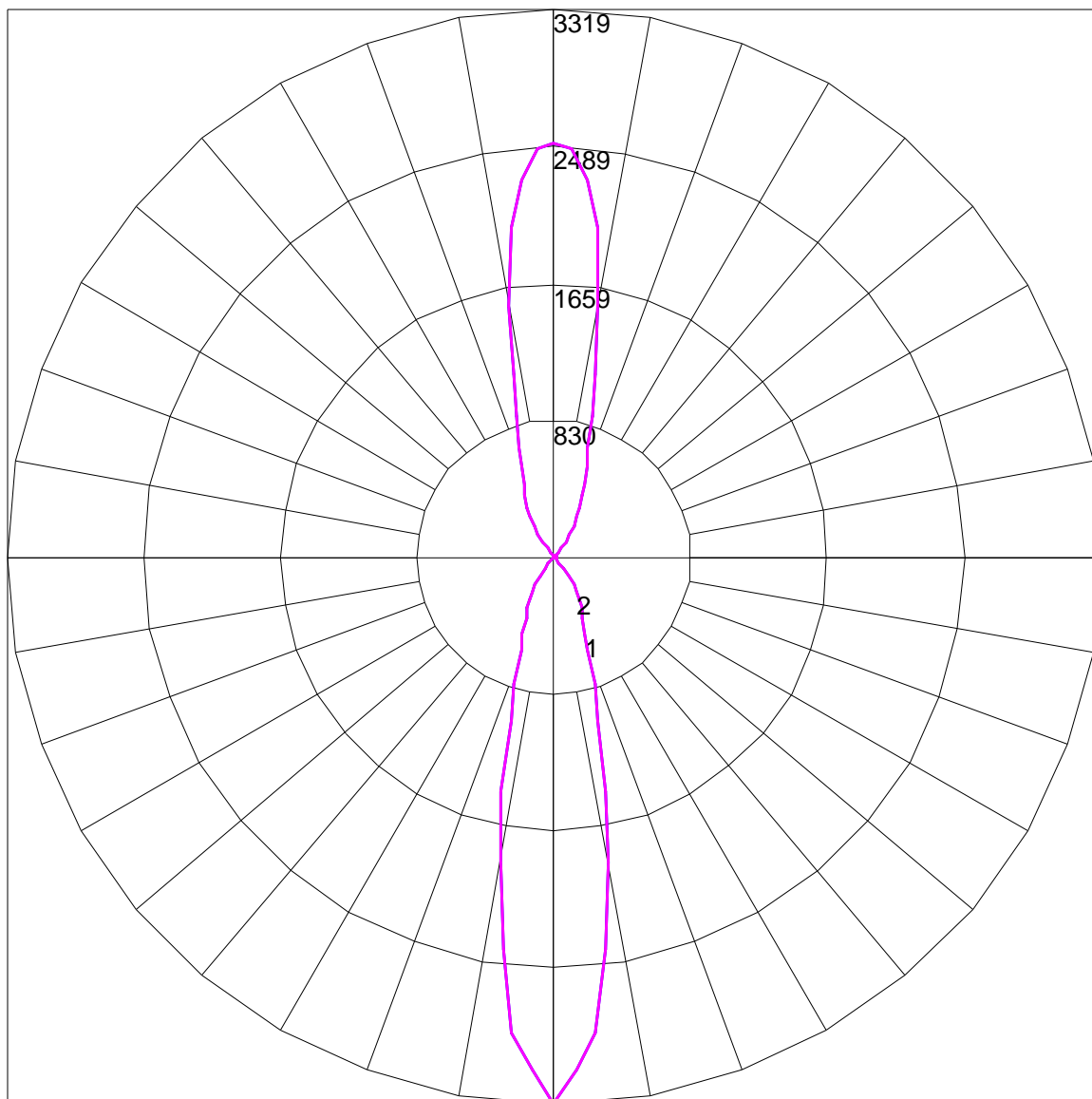
Effective Floor Cavity Reflectance 0.20

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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00624_13 ~ C0824UDXT-10LNDGL-10LND-XXKEX-TSG-GLXXX.IES

POLAR GRAPH



Maximum Candela = 3318.875 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)