

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00624_15 ~ C0824UDXT-10LXWGL-10LXW-XXKEX-TSG-SOXXX.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00624_15_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 10/13/2017
 [UPDATE] 4/4/2018
 [LUMCAT] C0824UDXT-10L-XW-GL-10L-XW-xxK-EX-TSG-DO-xxx (Up/Down)
 [LUMINAIRE] Nom. 8" Diam. x 24"H Direct/Indirect Cylinder
 [OTHER] Uplight: Xtra Wide Beam, Flush Clear Glass lens
 [OTHER] Uplight: 58.1 Degree Beam Angle
 [OTHER] Downlight: Xtra Wide Beam, Regressed Solite lens
 [OTHER] Downlight: 58.7 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	1484
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
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_15 ~ C0824UDXT-10LXWGL-10LXW-XXKEX-TSG-SOXXX.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2046	2152	2042
55	326	342	346
65	33	30	31
75	49	75	70
85	143	174	160

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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	899.864	899.864	899.864	899.864	899.864
2.5	890.852	891.631	890.182	890.366	887.311
5.0	881.841	883.398	880.499	880.868	874.758
7.5	859.340	861.848	857.779	858.746	849.581
10.0	836.840	840.299	835.058	836.625	824.404
12.5	799.877	804.727	798.431	799.710	785.678
15.0	762.914	769.154	761.803	762.795	746.951
17.5	714.819	722.701	715.479	717.225	700.237
20.0	666.723	676.248	669.156	671.654	653.522
22.5	609.622	622.753	614.951	620.107	599.440
25.0	552.521	569.257	560.747	568.559	545.357
27.5	482.497	499.608	491.744	500.069	475.866
30.0	412.471	429.959	422.741	431.578	406.375
32.5	335.538	349.685	344.382	352.568	328.455
35.0	258.605	269.411	266.023	273.556	250.533
37.5	193.177	202.720	199.639	206.004	186.539
40.0	127.749	136.029	133.254	138.451	122.545
42.5	87.377	90.388	91.348	94.309	84.731
45.0	47.005	44.747	49.442	50.166	46.917
47.5	32.420	31.267	34.186	34.936	32.671
50.0	17.835	17.788	18.928	19.705	18.424
52.5	11.955	12.009	12.647	13.128	12.438
55.0	6.075	6.231	6.365	6.550	6.452
57.5	3.520	3.498	3.711	3.802	3.772
60.0	0.965	0.766	1.057	1.053	1.092
62.5	0.707	0.559	0.732	0.767	0.759
65.0	0.449	0.352	0.407	0.480	0.426
67.5	0.392	0.399	0.464	0.511	0.437
70.0	0.335	0.446	0.521	0.542	0.448
72.5	0.376	0.471	0.574	0.495	0.520
75.0	0.416	0.496	0.627	0.447	0.592
77.5	0.392	0.402	0.604	0.490	0.520
80.0	0.368	0.309	0.580	0.532	0.448
82.5	0.386	0.417	0.538	0.453	0.451
85.0	0.404	0.525	0.494	0.373	0.453
87.5	0.383	0.365	0.490	0.303	0.442
90.0	0.362	0.204	0.486	0.233	0.431
92.5	3.960	3.669	3.419	3.786	0.000
95.0	3.390	3.479	3.026	2.957	3.159
97.5	3.391	3.433	2.585	3.056	3.298
100.0	3.436	3.253	2.990	2.359	2.793
102.5	3.539	3.532	2.794	2.307	2.543
105.0	3.641	3.155	2.773	2.477	2.397
107.5	3.474	2.652	2.864	2.616	2.123
110.0	3.281	2.681	2.913	2.721	1.734
112.5	3.052	2.703	2.881	2.729	2.154
115.0	3.429	2.716	2.773	2.702	2.502
117.5	4.254	3.223	3.039	2.593	2.718
120.0	5.471	4.182	3.474	2.999	3.011
122.5	6.918	7.269	6.053	4.178	3.380
125.0	15.307	11.946	9.328	11.446	9.309

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127.5	26.994	29.000	28.304	26.119	19.643
130.0	55.126	53.527	51.138	52.170	49.731
132.5	89.363	87.923	87.845	89.806	92.679
135.0	129.727	127.228	126.991	129.492	134.672
137.5	171.849	166.084	167.458	170.876	176.160
140.0	204.818	204.766	208.069	206.020	209.064
142.5	235.844	238.902	239.259	236.910	238.374
145.0	276.445	271.658	269.949	274.359	276.465
147.5	318.399	312.950	312.505	315.458	317.440
150.0	357.689	356.184	354.834	353.960	357.262
152.5	396.749	393.504	392.178	391.314	396.796
155.0	433.923	429.910	429.187	430.300	435.976
157.5	470.740	462.077	462.929	469.856	475.095
160.0	494.859	493.844	495.691	500.443	504.180
162.5	519.993	523.884	522.652	528.637	532.102
165.0	559.155	553.997	551.828	560.136	564.236
167.5	599.152	594.740	590.098	592.261	596.604
170.0	645.332	635.288	628.203	630.447	635.659
172.5	688.133	672.631	665.788	669.420	674.300
175.0	714.036	707.705	698.389	697.668	703.519
177.5	735.398	724.179	718.877	725.187	730.522
180.0	740.637	740.637	740.637	740.637	740.637

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Zone	Lumens	%Lamp	%Fixt
0-20	294.77	N.A.	19.90
0-30	547.93	N.A.	36.90
0-40	715.31	N.A.	48.20
0-60	769.11	N.A.	51.80
0-80	770.20	N.A.	51.90
0-90	770.66	N.A.	51.90
10-90	688.16	N.A.	46.40
20-40	420.54	N.A.	28.30
20-50	467.24	N.A.	31.50
40-70	54.37	N.A.	3.70
60-80	1.09	N.A.	0.10
70-80	0.52	N.A.	0.00
80-90	0.46	N.A.	0.00
90-110	6.03	N.A.	0.40
90-120	8.96	N.A.	0.60
90-130	24.63	N.A.	1.70
90-150	295.08	N.A.	19.90
90-180	713.74	N.A.	48.10
110-180	707.71	N.A.	47.70
0-180	1484.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	82.50
10-20	212.28
20-30	253.15
30-40	167.38
40-50	46.71
50-60	7.10
60-70	0.56
70-80	0.52
80-90	0.46
90-100	3.03
100-110	3.00
110-120	2.93
120-130	15.67
130-140	98.46
140-150	171.99
150-160	196.85
160-170	156.87
170-180	64.94

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

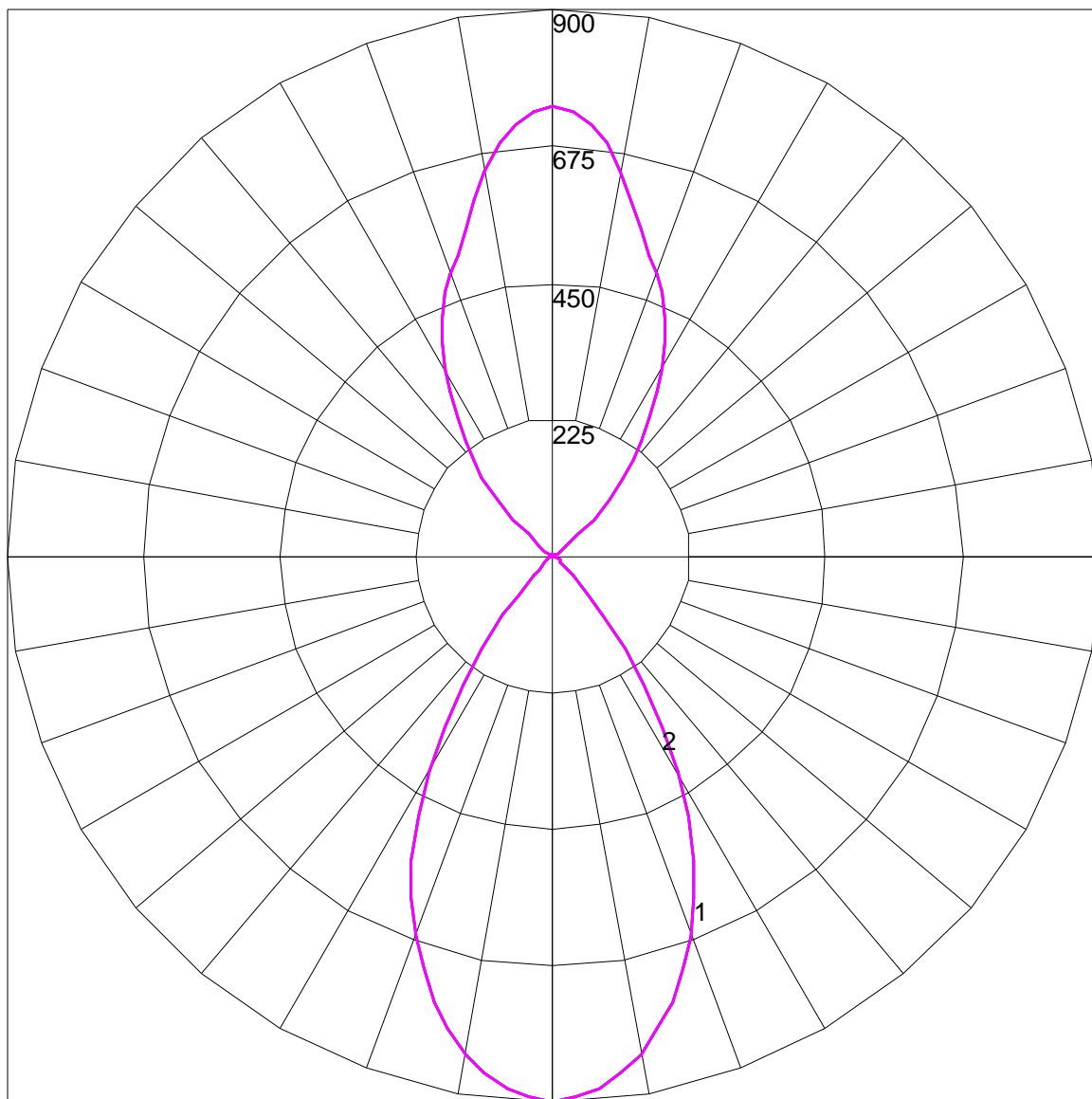
Effective Floor Cavity Reflectance 0.20

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	84	84	84	71	71	71	58	58	58	52
1	101	97	94	92	93	90	88	86	78	76	74	66	65	64	55	54	54	49
2	94	88	83	79	87	82	78	75	71	68	66	61	59	58	52	51	50	45
3	88	80	75	70	82	75	70	66	66	62	59	57	54	52	49	47	46	42
4	82	73	67	62	76	69	64	59	61	57	54	53	50	48	46	44	42	39
5	77	67	61	56	72	64	58	54	56	52	49	50	46	44	43	41	39	37
6	72	62	55	51	67	59	53	49	52	48	45	46	43	41	41	38	37	34
7	68	57	51	46	63	54	49	44	49	44	41	43	40	38	38	36	34	32
8	64	53	47	42	60	51	45	41	46	41	38	41	37	35	36	34	32	30
9	60	50	43	39	56	47	42	38	43	38	35	38	35	33	34	32	30	28
10	57	46	40	36	53	44	39	35	40	36	33	36	33	30	33	30	28	26

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POLAR GRAPH



Maximum Candela = 899.864 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)