

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00423_16 ~ C06XXUDXT-20LNDGL-20LND-XXKEX-TSG-GL (UP_DOWN).IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00423_16
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 1/30/2018
 [LUMCAT] C06xxUDXT-20L-ND-GL-20L-ND-xxK-EX-TSG-GL-xx (Up/Down)
 [LUMINAIRE] Nom. 6" Diam. x 18" H Direct/Indirect Cylinder
 [OTHER] Cylinder also available as 24" H variant
 [OTHER] Uplight: Narrow Beam, Flush Clear Glass lens
 [OTHER] Uplight: 20 Degree Beam Angle
 [OTHER] Downlight: Narrow Beam, Regressed Clear Glass lens
 [OTHER] Downlight: 21.1 Degree Beam Angle
 [OTHER] Trim: Semi-diffuse clear anodized aluminum
 [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	3239
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	43.4
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)	0.50 ft (Diameter)
Luminous Width (90-270)	0.50 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	480	444	311
55	235	206	172
65	149	142	73
75	206	184	136
85	525	291	770

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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	6813.501	6813.501	6813.501	6813.501	6813.501
2.5	6310.505	6260.015	6244.213	6225.826	6238.981
5.0	5807.508	5706.529	5674.925	5638.150	5664.460
7.5	4683.085	4635.822	4613.676	4584.302	4602.400
10.0	3558.662	3565.114	3552.426	3530.454	3540.340
12.5	2737.257	2764.444	2754.560	2741.505	2741.336
15.0	1915.852	1963.774	1956.694	1952.555	1942.332
17.5	1506.889	1547.859	1545.574	1547.893	1537.728
20.0	1097.926	1131.943	1134.453	1143.231	1133.124
22.5	912.752	940.740	944.891	956.022	950.616
25.0	727.578	749.536	755.328	768.813	768.108
27.5	626.507	641.727	641.939	660.736	654.189
30.0	525.436	533.918	528.549	552.659	540.269
32.5	400.207	395.590	386.186	385.231	371.286
35.0	274.977	257.261	243.822	217.802	202.302
37.5	152.442	148.783	138.954	125.033	116.492
40.0	29.907	40.304	34.086	32.264	30.682
42.5	18.049	23.261	19.908	18.207	17.347
45.0	6.191	6.218	5.730	4.150	4.011
47.5	4.704	4.873	4.739	3.281	3.379
50.0	3.217	3.528	3.748	2.412	2.747
52.5	2.842	3.130	2.952	2.087	2.275
55.0	2.466	2.731	2.155	1.761	1.803
57.5	2.280	2.097	1.766	1.450	1.315
60.0	2.094	1.462	1.377	1.139	0.827
62.5	1.622	1.103	1.238	1.040	0.697
65.0	1.149	0.744	1.098	0.941	0.566
67.5	0.983	0.726	0.751	0.787	0.820
70.0	0.817	0.707	0.403	0.633	1.073
72.5	0.895	0.811	0.636	0.748	0.859
75.0	0.973	0.915	0.869	0.862	0.645
77.5	1.186	0.842	0.814	0.928	0.652
80.0	1.399	0.768	0.758	0.993	0.659
82.5	1.118	0.751	0.611	0.888	0.942
85.0	0.836	0.734	0.463	0.783	1.225
87.5	0.835	0.716	0.571	0.392	0.613
90.0	0.833	0.697	0.679	0.000	0.000
92.5	8.681	9.278	7.864	8.271	6.734
95.0	7.604	5.953	7.801	7.776	6.505
97.5	6.970	5.545	7.491	5.928	5.425
100.0	6.151	4.821	5.357	4.102	4.847
102.5	5.015	4.965	4.613	3.977	4.773
105.0	4.241	3.963	3.530	4.337	3.213
107.5	3.782	3.437	3.195	4.155	3.320
110.0	3.336	3.286	2.951	3.459	3.283
112.5	2.902	2.591	2.749	3.387	3.126
115.0	3.782	2.922	4.915	3.594	5.231
117.5	5.155	4.978	7.662	4.391	7.568
120.0	9.518	7.744	10.286	6.640	10.090
122.5	12.990	11.144	12.721	10.513	12.066
125.0	12.065	12.203	12.020	12.003	11.675

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127.5	11.475	11.467	11.350	11.187	11.915
130.0	12.427	11.590	11.118	13.235	14.707
132.5	14.666	12.345	13.246	17.952	25.080
135.0	22.446	30.566	43.861	49.201	64.337
137.5	44.463	61.153	80.518	104.217	117.790
140.0	124.066	134.053	181.253	188.161	222.298
142.5	210.949	235.741	282.869	297.030	325.969
145.0	325.574	340.002	392.793	400.438	426.793
147.5	432.191	445.945	498.655	499.321	520.588
150.0	510.010	530.235	570.056	582.602	591.734
152.5	588.167	600.936	645.885	653.449	676.798
155.0	667.477	698.708	755.759	769.365	804.400
157.5	773.646	812.786	885.007	919.826	972.716
160.0	966.358	1023.476	1150.163	1187.774	1259.243
162.5	1221.445	1290.002	1458.474	1540.929	1637.233
165.0	1667.191	1760.744	2044.657	2107.508	2267.817
167.5	2222.364	2344.675	2688.046	2825.228	3006.908
170.0	3095.280	3208.571	3671.249	3747.355	4031.359
172.5	4018.481	4221.209	4639.826	4806.359	5007.768
175.0	5080.568	5135.710	5527.896	5609.332	5863.738
177.5	5910.837	6001.121	6245.015	6244.955	6399.626
180.0	6149.000	6149.000	6149.000	6149.000	6149.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1043.47	N.A.	32.20
0-30	1403.28	N.A.	43.30
0-40	1562.03	N.A.	48.20
0-60	1572.97	N.A.	48.60
0-80	1574.8	N.A.	48.60
0-90	1575.57	N.A.	48.60
10-90	1105.33	N.A.	34.10
20-40	518.55	N.A.	16.00
20-50	527.51	N.A.	16.30
40-70	11.90	N.A.	0.40
60-80	1.82	N.A.	0.10
70-80	0.87	N.A.	0.00
80-90	0.77	N.A.	0.00
90-110	10.95	N.A.	0.30
90-120	15.55	N.A.	0.50
90-130	25.78	N.A.	0.80
90-150	298.23	N.A.	9.20
90-180	1663.47	N.A.	51.40
110-180	1652.53	N.A.	51.00
0-180	3239.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	470.24
10-20	573.23
20-30	359.81
30-40	158.74
40-50	8.96
50-60	1.98
60-70	0.95
70-80	0.87
80-90	0.77
90-100	6.66
100-110	4.29
110-120	4.61
120-130	10.23
130-140	43.00
140-150	229.45
150-160	349.75
160-170	557.03
170-180	458.47

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

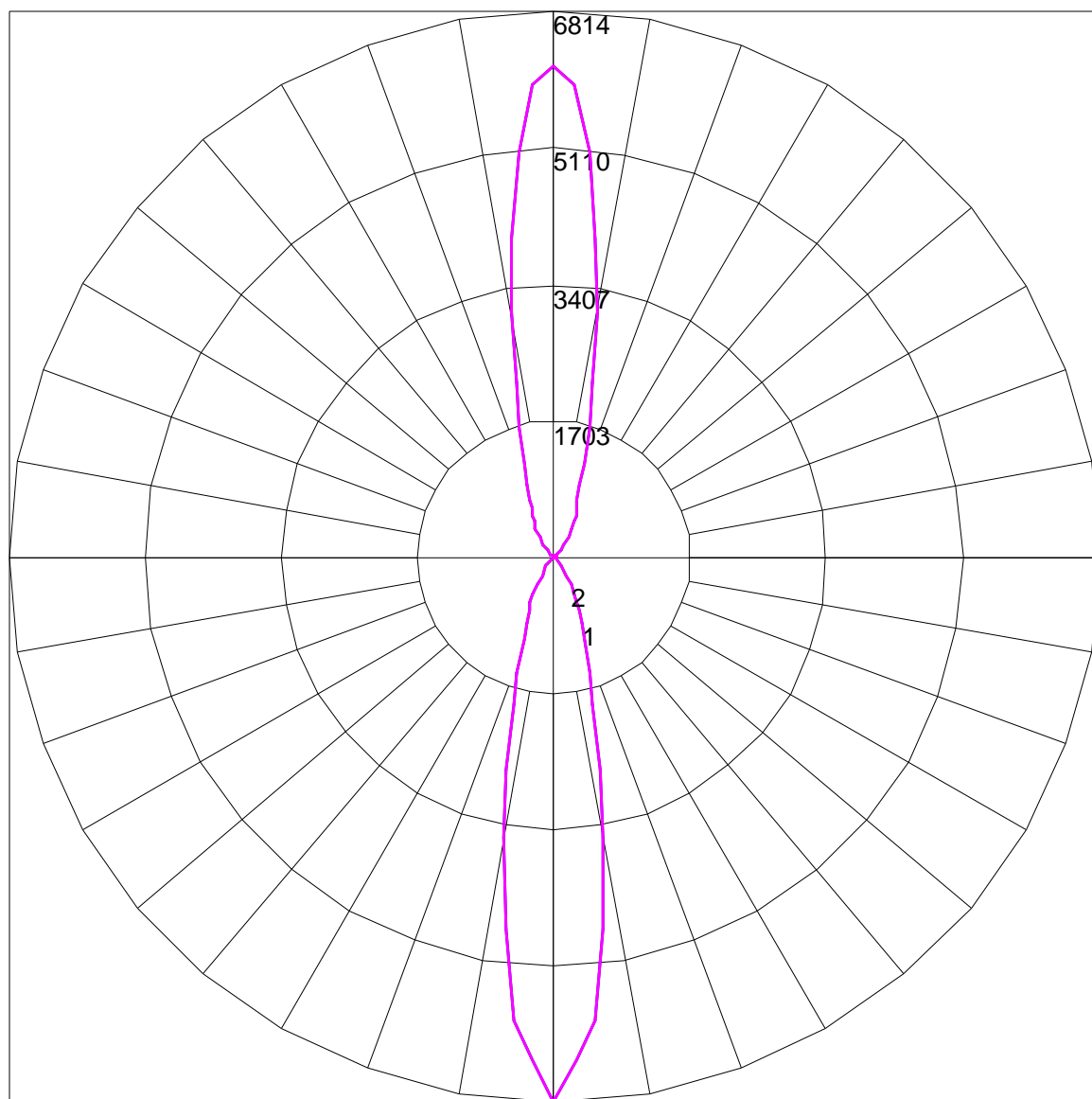
Effective Floor Cavity Reflectance 0.20

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	98	98	98	98	83	83	83	68	68	68	55	55	55	49
1	100	97	94	92	93	90	88	85	77	75	74	64	63	62	53	52	52	47
2	94	89	84	81	87	83	79	76	71	69	66	61	59	58	51	50	49	45
3	89	82	76	72	82	76	72	68	67	63	61	57	55	54	49	48	47	43
4	84	76	70	65	78	71	66	62	62	59	56	54	52	50	47	45	44	41
5	79	70	64	60	74	66	61	57	59	55	52	52	49	47	45	44	42	39
6	75	66	60	55	70	62	57	53	56	52	49	49	47	45	43	42	40	38
7	71	62	56	52	66	59	53	50	53	49	46	47	44	42	42	40	39	37
8	67	58	52	48	63	55	50	47	50	46	43	45	42	40	40	39	37	35
9	64	55	49	45	61	52	47	44	48	44	41	43	41	39	39	37	36	34
10	61	52	47	43	58	50	45	42	46	42	39	42	39	37	38	36	35	33

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POLAR GRAPH



Maximum Candela = 6813.501 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)