

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00423\_16 ~ C06XXUDXT-10LNDGL-10LND-XXKEX-TSG-GL (UP\_DOWN).IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00423\_16\_M-10L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUE DATE] 10/13/2017  
 [UPDATE] 1/30/2018  
 [LUMCAT] C06xxUDXT-10L-ND-GL-10L-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, scaled from 20L

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1563
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
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)	0.50 ft (Diameter)
Luminous Width (90-270)	0.50 ft (Diameter)
Luminous Height	0.00 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00423\_16 ~ C06XXUDXT-10LNDGL-10LND-XXKEX-TSG-GL (UP\_DOWN).IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	231	214	150
55	114	99	83
65	72	69	35
75	99	89	66
85	253	140	371

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00423\_16 ~ C06XXUDXT-10LNDGL-10LND-XXKEX-TSG-GL (UP\_DOWN).IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0.0</b>	3287.514	3287.514	3287.514	3287.514	3287.514
<b>2.5</b>	3044.819	3020.457	3012.833	3003.961	3010.308
<b>5.0</b>	2802.123	2753.400	2738.151	2720.407	2733.102
<b>7.5</b>	2259.588	2236.784	2226.099	2211.926	2220.658
<b>10.0</b>	1717.054	1720.167	1714.045	1703.444	1708.214
<b>12.5</b>	1320.726	1333.844	1329.075	1322.776	1322.695
<b>15.0</b>	924.399	947.521	944.105	942.108	937.175
<b>17.5</b>	727.074	746.842	745.739	746.858	741.954
<b>20.0</b>	529.749	546.162	547.374	551.609	546.732
<b>22.5</b>	440.403	453.907	455.910	461.281	458.672
<b>25.0</b>	351.056	361.651	364.446	370.952	370.612
<b>27.5</b>	302.290	309.633	309.736	318.805	315.646
<b>30.0</b>	253.523	257.615	255.025	266.658	260.680
<b>32.5</b>	193.100	190.872	186.335	185.874	179.145
<b>35.0</b>	132.676	124.128	117.644	105.089	97.611
<b>37.5</b>	73.553	71.788	67.045	60.328	56.207
<b>40.0</b>	14.430	19.447	16.446	15.567	14.804
<b>42.5</b>	8.709	11.223	9.606	8.785	8.370
<b>45.0</b>	2.987	3.000	2.765	2.002	1.935
<b>47.5</b>	2.270	2.351	2.287	1.583	1.630
<b>50.0</b>	1.552	1.702	1.808	1.164	1.325
<b>52.5</b>	1.371	1.510	1.424	1.007	1.098
<b>55.0</b>	1.190	1.318	1.040	0.850	0.870
<b>57.5</b>	1.100	1.012	0.852	0.700	0.634
<b>60.0</b>	1.010	0.705	0.664	0.550	0.399
<b>62.5</b>	0.783	0.532	0.597	0.502	0.336
<b>65.0</b>	0.554	0.359	0.530	0.454	0.273
<b>67.5</b>	0.474	0.350	0.362	0.380	0.396
<b>70.0</b>	0.394	0.341	0.194	0.305	0.518
<b>72.5</b>	0.432	0.391	0.307	0.361	0.414
<b>75.0</b>	0.469	0.441	0.419	0.416	0.311
<b>77.5</b>	0.572	0.406	0.393	0.448	0.315
<b>80.0</b>	0.675	0.371	0.366	0.479	0.318
<b>82.5</b>	0.539	0.362	0.295	0.428	0.455
<b>85.0</b>	0.403	0.354	0.223	0.378	0.591
<b>87.5</b>	0.403	0.345	0.276	0.189	0.296
<b>90.0</b>	0.402	0.336	0.328	0.000	0.000
<b>92.5</b>	4.189	4.477	3.794	3.991	3.249
<b>95.0</b>	3.669	2.872	3.764	3.752	3.139
<b>97.5</b>	3.363	2.675	3.614	2.860	2.618
<b>100.0</b>	2.968	2.326	2.585	1.979	2.339
<b>102.5</b>	2.420	2.396	2.226	1.919	2.303
<b>105.0</b>	2.046	1.912	1.703	2.093	1.550
<b>107.5</b>	1.825	1.658	1.542	2.005	1.602
<b>110.0</b>	1.610	1.585	1.424	1.669	1.584
<b>112.5</b>	1.400	1.250	1.326	1.634	1.508
<b>115.0</b>	1.825	1.410	2.371	1.734	2.524
<b>117.5</b>	2.487	2.402	3.697	2.119	3.652
<b>120.0</b>	4.592	3.736	4.963	3.204	4.868
<b>122.5</b>	6.268	5.377	6.138	5.073	5.822
<b>125.0</b>	5.821	5.888	5.800	5.791	5.633

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00423\_16 ~ C06XXUDXT-10LNDGL-10LND-XXKEX-TSG-GL (UP\_DOWN).IES****CANDELA TABULATION - (Cont.)**

127.5	5.537	5.533	5.476	5.398	5.749
130.0	5.996	5.592	5.364	6.386	7.096
132.5	7.076	5.956	6.391	8.662	12.101
135.0	10.830	14.748	21.163	23.739	31.043
137.5	21.453	29.506	38.850	50.285	56.834
140.0	59.862	64.681	87.455	90.788	107.259
142.5	101.783	113.745	136.484	143.317	157.280
145.0	157.089	164.051	189.523	193.211	205.928
147.5	208.532	215.168	240.601	240.922	251.184
150.0	246.080	255.838	275.052	281.105	285.512
152.5	283.791	289.952	311.640	315.289	326.555
155.0	322.058	337.127	364.654	371.219	388.123
157.5	373.284	392.169	427.016	443.816	469.335
160.0	466.268	493.827	554.954	573.101	607.585
162.5	589.347	622.426	703.714	743.498	789.965
165.0	804.420	849.559	986.547	1016.873	1094.222
167.5	1072.291	1131.306	1296.982	1363.172	1450.833
170.0	1493.473	1548.135	1771.378	1808.099	1945.131
172.5	1938.917	2036.733	2238.716	2319.068	2416.248
175.0	2451.374	2477.980	2667.210	2706.503	2829.254
177.5	2851.979	2895.541	3013.220	3013.191	3087.819
180.0	2966.892	2966.892	2966.892	2966.892	2966.892

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00423\_16 ~ C06XXUDXT-10LNDGL-10LND-XXKEX-TSG-GL (UP\_DOWN).IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	503.48	N.A.	32.20
0-30	677.08	N.A.	43.30
0-40	753.68	N.A.	48.20
0-60	758.96	N.A.	48.60
0-80	759.84	N.A.	48.60
0-90	760.21	N.A.	48.60
10-90	533.32	N.A.	34.10
20-40	250.20	N.A.	16.00
20-50	254.53	N.A.	16.30
40-70	5.74	N.A.	0.40
60-80	0.88	N.A.	0.10
70-80	0.42	N.A.	0.00
80-90	0.37	N.A.	0.00
90-110	5.28	N.A.	0.30
90-120	7.50	N.A.	0.50
90-130	12.44	N.A.	0.80
90-150	143.90	N.A.	9.20
90-180	802.63	N.A.	51.40
110-180	797.34	N.A.	51.00
0-180	1562.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	226.89
10-20	276.58
20-30	173.61
30-40	76.59
40-50	4.32
50-60	0.96
60-70	0.46
70-80	0.42
80-90	0.37
90-100	3.21
100-110	2.07
110-120	2.22
120-130	4.93
130-140	20.75
140-150	110.71
150-160	168.75
160-170	268.77
170-180	221.21

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00423\_16 ~ C06XXUDXT-10LNDGL-10LND-XXKEX-TSG-GL (UP\_DOWN).IES

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

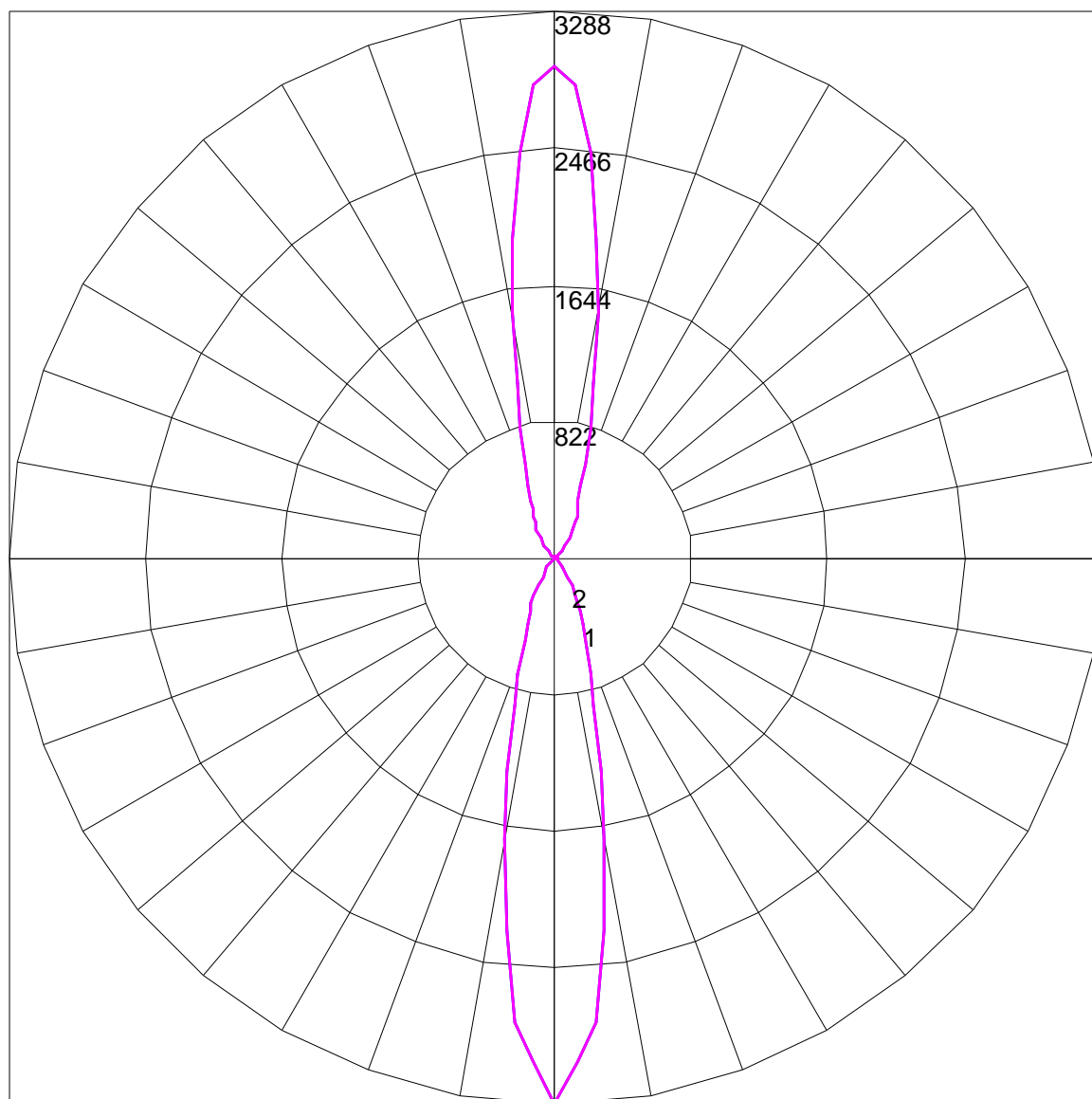
Effective Floor Cavity Reflectance 0.20

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	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	40	39	39	37	36	34
10	61	52	47	43	58	50	45	42	46	42	39	42	39	37	38	36	35	33

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00423\_16 ~ C06XXUDXT-10LNDGL-10LND-XXKEX-TSG-GL (UP\_DOWN).IES

## POLAR GRAPH



Maximum Candela = 3287.514 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)