

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00424_60 ~ C1320YKXT-200LXXK-NDEX-TSG-MW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] SP-00424_60

 [TESTLAB] Photopia 2015.1.1 see: www.ltioptics.com/ies

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 4/29/2016

[UPDATE] 4/2/2018

[LUMCAT] C1320YKXT-200L-xxK-ND-EX-TSG-MW

[LUMINAIRE] Nom. 13" Diam. x 20" H Cylinder Downlight Pendant, Narrow Beam

[OTHER] Nom. 12" Diam. Spun Alum. Bezel, Semi-Diffuse Clear anodized finish

[OTHER] Matte Black regressed faceplate w/ (4) openings for LEDXT optics

[OTHER] Four (4) LEDXT Reflector modules per Luminaire

[OTHER] Photometric data applicable to C1320XT (pendant), C1320XT (wall mounted)

[OTHER] and C1320YKXT (yoke mounted) luminaires

[OTHER] 25 Degree Beam Angle, 56 Degree Field Angle

[LAMP] N/A, 19mm

[LAMPCAT] N/A, Min.83 CRI

[OTHER] Total Luminaire Watts is approximate

[OTHER] LEDXT lumen output is the same for all available CCT's

[OTHER] This report prepared by Spectrum Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	18337
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	207
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.42
Spacing Criterion (90-270)	0.42
Spacing Criterion (Diagonal)	0.42
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.00 ft (Diameter)
Luminous Width (90-270)	1.00 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_60 ~ C1320YKXT-200LXXK-NDEX-TSG-MW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5676	5374	4922
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0	69112.28969112.28969112.28969112.28969112.28969112.28969112.28969112.28969112.28969112.289									
5	59285.87959700.89859340.03158910.21958239.82858633.10258422.10958374.48858457.10959606.859									
10	43495.23043805.59043599.39843735.05943584.07044003.14843490.18043921.09043548.57844083.602									
15	22772.41023123.89123298.21123288.65022972.31123408.13123119.86923134.59023149.78923069.449									
20	10382.88010618.78010438.22010463.53010517.46010541.03010506.22010315.93010469.59010551.600									
25	7175.290 7266.560 7244.280 7217.650 7149.890 7291.270 7209.160 7353.420 7139.320 7152.420									
30	6062.510 6011.240 5940.350 5922.310 5979.720 5965.820 5900.800 5951.190 5933.380 5930.340									
35	4114.840 4074.520 4141.760 4090.090 4064.250 4058.370 4093.660 4057.740 4048.120 4115.600									
40	1729.370 1705.490 1732.160 1697.170 1704.130 1753.200 1697.810 1723.660 1713.820 1727.720									
45	293.130 283.730 309.580 280.510 276.170 277.710 287.880 280.190 266.020 277.550									
50	2.370 4.740 4.740 6.220 5.030 6.220 5.030 6.220 5.330 5.330									
55	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000									
60	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000									
65	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000									
70	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000									
75	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000									
80	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000									
85	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000									
90	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000									

Vert. Angles **Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>
0	69112.28969112.28969112.28969112.28969112.28969112.28969112.28969112.28969112.289								
5	58938.14159280.69958539.96959328.01259371.42258427.12158989.28159367.73858540.191								
10	44042.07843988.71143705.71943694.71143770.46943812.46143657.55143636.23843979.531								
15	23111.73023049.36922986.10923038.53923054.10022930.14123052.03923134.30122960.971								
20	10476.74010465.31010519.82010568.97010549.14010489.34010535.45010513.03010537.710								
25	7233.070 7328.840 7235.840 7137.650 7274.920 7198.670 7191.970 7135.780 7383.530								
30	5972.030 5968.610 5918.230 6003.690 5885.850 5964.290 5867.730 5908.270 5910.300								
35	3997.000 4050.780 4055.750 4072.010 4097.450 4048.270 4053.940 4048.090 4143.670								
40	1742.370 1758.580 1702.470 1714.810 1728.660 1752.670 1673.620 1727.680 1677.390								
45	305.200 283.600 281.960 267.220 275.990 294.050 262.890 289.570 254.210								
50	5.030 4.140 4.740 4.440 4.740 2.960 6.510 4.440 5.330								
55	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000								
60	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000								
65	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000								
70	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000								
75	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000								
80	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000								
85	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000								
90	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000								

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_60 ~ C1320YKXT-200LXXK-NDEX-TSG-MW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	11940.34	N.A.	65.10
0-30	15465.92	N.A.	84.30
0-40	17907.36	N.A.	97.70
0-60	18337.06	N.A.	100.00
0-80	18337.07	N.A.	100.00
0-90	18337.06	N.A.	100.00
10-90	13132.28	N.A.	71.60
20-40	5967.01	N.A.	32.50
20-50	6395.63	N.A.	34.90
40-70	429.70	N.A.	2.30
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	18337.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	5204.79
10-20	6735.56
20-30	3525.58
30-40	2441.43
40-50	428.62
50-60	1.09
60-70	0.00
70-80	0.00
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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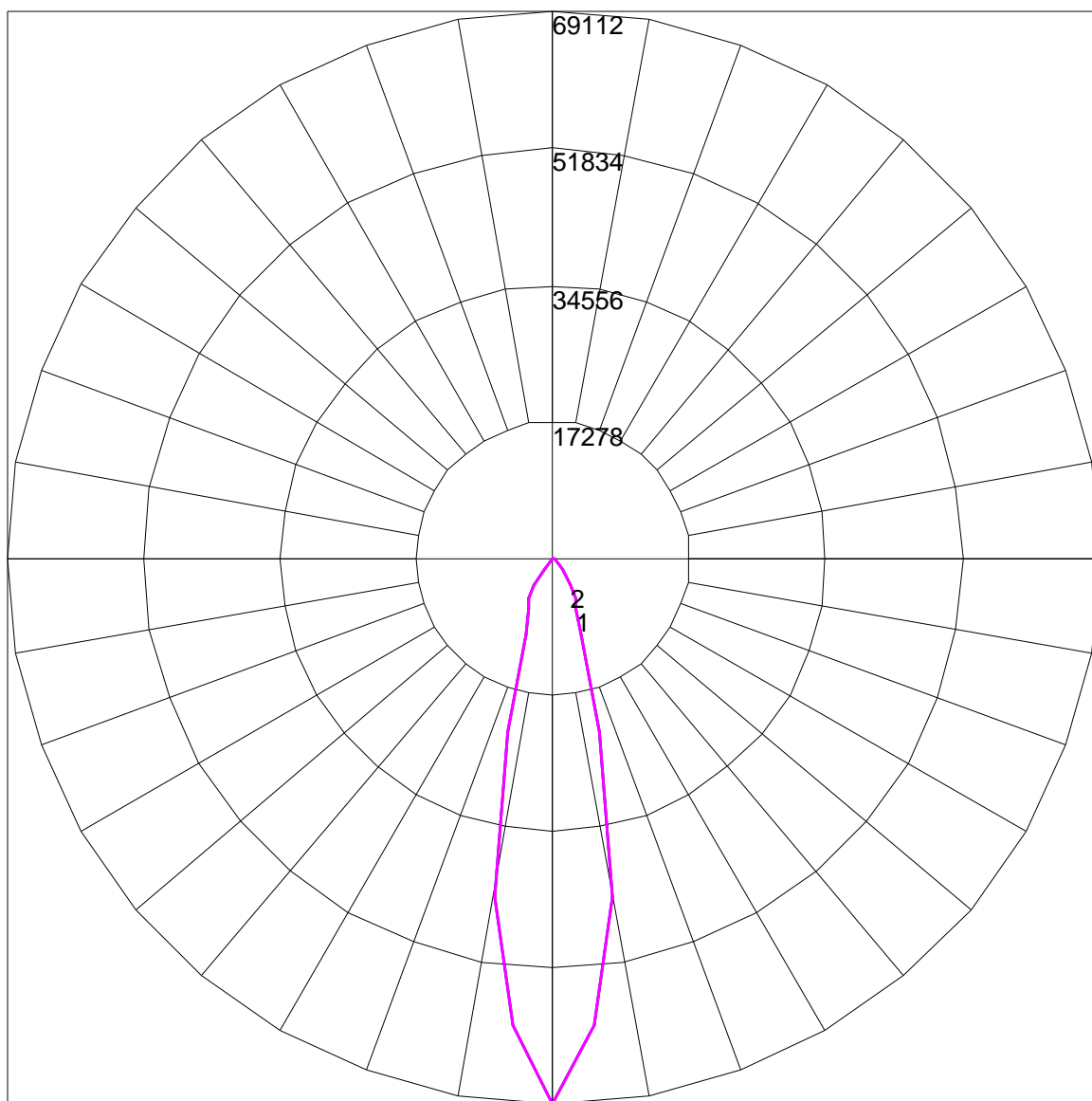
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	101	99	97	98	97	95	96	94	93	91
3	106	101	97	94	104	99	96	93	97	94	91	95	92	90	92	90	89	87
4	102	96	92	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83
5	98	92	87	84	97	91	86	83	89	85	82	88	84	82	86	83	81	80
6	95	88	83	80	94	87	83	79	86	82	79	84	81	78	83	80	78	77
7	92	84	79	76	90	84	79	76	82	78	75	81	78	75	80	77	75	74
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71
9	86	78	73	70	85	77	73	70	77	73	70	76	72	70	75	72	69	68
10	83	75	71	67	82	75	70	67	74	70	67	73	70	67	73	69	67	66

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POLAR GRAPH



Maximum Candela = 69112.289 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)