

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00424_60 ~ C1320YKXT-52LXXK-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-52L-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	4768
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	60
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-52LXXK-NDEX-TSG-MW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1470	1374	1458
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	17924.529	17924.529	17924.529	17924.529	17924.529	17924.529	17924.529	17924.529	17924.529	17924.529
5	15437.500	15204.610	15322.100	15279.380	15310.190	15196.150	15249.450	15214.590	15316.000	15317.910
10	11224.330	11321.190	11454.640	11178.020	11450.890	11401.530	11374.380	11440.670	11450.150	11261.750
15	6110.290	5973.680	6014.840	6033.590	5987.450	5963.860	6068.250	6002.270	6066.090	5999.190
20	2758.920	2732.700	2752.200	2719.870	2733.830	2739.230	2770.710	2727.410	2736.740	2728.580
25	1899.820	1886.500	1870.510	1887.150	1875.190	1900.850	1894.930	1891.030	1873.330	1871.840
30	1578.810	1547.020	1538.390	1538.210	1545.070	1534.720	1548.580	1543.200	1557.140	1534.530
35	1059.540	1067.930	1073.990	1043.540	1046.060	1058.670	1051.950	1054.170	1068.880	1041.390
40	424.010	447.750	442.430	444.380	462.710	451.480	445.740	452.160	462.330	443.720
45	75.890	73.340	72.500	70.590	74.140	74.070	75.880	73.770	72.460	70.970
50	0.770	1.230	1.080	1.770	0.920	1.000	1.080	1.390	1.000	1.770
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	17924.529	17924.529	17924.529	17924.529	17924.529	17924.529	17924.529	17924.529	17924.529
5	15399.100	15331.270	15301.850	15211.910	15416.250	15449.500	15470.210	15305.690	15307.800
10	11311.990	11280.430	11207.360	11407.380	11428.090	11337.110	11340.910	11272.760	11181.640
15	5999.440	6063.060	6019.410	6028.580	5980.970	6044.030	6027.600	6056.050	6072.110
20	2735.610	2751.110	2718.680	2722.130	2740.550	2728.700	2754.700	2721.270	2712.890
25	1863.480	1886.770	1872.260	1872.700	1884.090	1878.560	1865.190	1881.640	1907.670
30	1546.370	1576.880	1547.700	1565.720	1538.630	1528.550	1565.160	1543.890	1533.540
35	1061.830	1066.300	1054.870	1060.160	1059.040	1052.620	1066.340	1043.060	1041.830
40	441.590	448.760	458.680	450.420	447.770	448.370	441.950	445.520	458.790
45	71.320	80.660	73.250	72.850	74.040	78.150	72.520	74.050	75.280
50	1.000	0.850	1.150	0.690	1.080	1.390	1.150	1.000	0.770
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-52LXXK-NDEX-TSG-MW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	3102.79	N.A.	65.10
0-30	4020.95	N.A.	84.30
0-40	4655.63	N.A.	97.60
0-60	4767.8	N.A.	100.00
0-80	4767.8	N.A.	100.00
0-90	4767.8	N.A.	100.00
10-90	3416.9	N.A.	71.70
20-40	1552.84	N.A.	32.60
20-50	1664.77	N.A.	34.90
40-70	112.17	N.A.	2.40
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	4767.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1350.9
10-20	1751.89
20-30	918.16
30-40	634.68
40-50	111.93
50-60	0.25
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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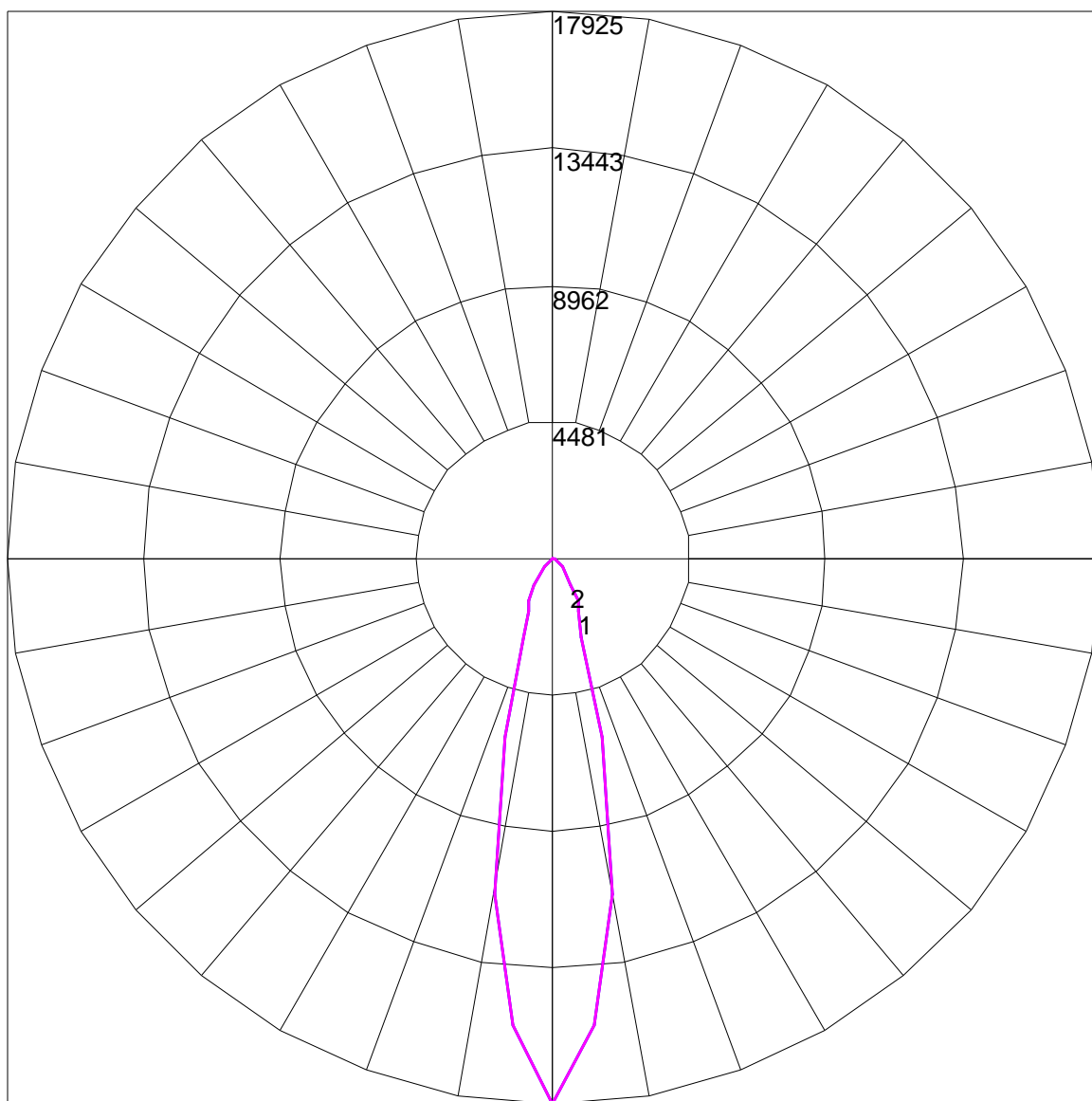
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	85	78	73	70	85	77	73	70	77	73	70	76	72	69	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 = 17924.529 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)