

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00424_17 ~ C1320XT-160LXXK-NDEX-1310XT-SGXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] SP-00424_17

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

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 4/29/2016

[UPDATE] 9/29/2017

[LUMCAT] C1320XT-160L-xxK-ND-EX-1310XT-SG

[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 CYK1320XT (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	14122
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	159.6
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_17 ~ C1320XT-160LXXK-NDEX-1310XT-SGXXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4273	4444	4138
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00424_17 ~ C1320XT-160LXXK-NDEX-1310XT-SGXXMW.IES

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	53197.19	53197.19	53197.19	53197.19	53197.19	53197.19	53197.19	53197.19	53197.19	53197.19
5	45518.91	045354.10	945324.77	045288.07	845534.82	845557.25	045090.03	945310.93	044842.09	045212.89
10	33435.78	933207.62	133432.14	133753.18	033552.03	933451.43	033943.28	933772.21	133912.67	233739.35
15	17693.85	917946.01	017782.32	017754.73	017814.15	018071.40	017821.33	017987.83	017890.01	017850.13
20	8201.72	8080.54	8025.03	8057.01	8054.08	8151.01	8115.25	8087.28	8145.52	8066.79
25	5577.69	5622.89	5614.87	5603.61	5641.53	5558.58	5588.21	5516.57	5584.14	5631.08
30	4700.11	4583.52	4549.92	4576.25	4518.65	4597.67	4565.86	4595.77	4551.45	4531.90
35	3118.71	3140.65	3163.84	3166.07	3089.48	3146.17	3162.24	3152.72	3099.69	3125.66
40	1357.56	1339.35	1332.62	1323.37	1296.37	1334.53	1327.74	1351.40	1310.64	1317.84
45	220.69	214.43	221.99	233.05	230.28	222.32	239.75	214.76	220.22	229.51
50	3.19	3.19	2.96	3.42	3.88	4.79	2.96	3.88	2.28	2.74
55	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	53197.19	53197.19	53197.19	53197.19	53197.19	53197.19	53197.19	53197.19	53197.19
5	45830.93	045873.52	045052.16	045242.76	244916.96	144751.26	244994.55	945331.71	945109.73
10	33625.96	133570.68	033523.82	833878.05	933635.01	233737.93	033732.76	233604.80	933449.05
15	17879.50	018097.61	917812.92	017842.44	917786.58	017746.06	117679.60	018007.64	117711.10
20	8129.25	8008.19	8103.01	8072.91	8076.72	7994.83	8008.04	8090.50	8190.01
25	5532.96	5605.65	5528.00	5529.70	5614.28	5573.01	5515.97	5579.69	5502.92
30	4556.87	4596.97	4543.37	4591.59	4579.99	4581.41	4617.36	4597.39	4640.89
35	3099.25	3152.20	3157.57	3178.38	3111.39	3110.61	3135.90	3156.67	3069.22
40	1306.58	1343.60	1326.02	1311.91	1313.39	1317.31	1349.02	1319.89	1297.53
45	209.73	211.28	213.68	224.22	213.71	205.59	219.49	211.27	213.72
50	5.47	4.56	1.82	3.19	2.96	2.51	4.56	2.51	1.82
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_17 ~ C1320XT-160LXXK-NDEX-1310XT-SGXXMW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	9192.69	N.A.	65.10
0-30	11910.26	N.A.	84.30
0-40	13790.4	N.A.	97.70
0-60	14122.16	N.A.	100.00
0-80	14122.16	N.A.	100.00
0-90	14122.16	N.A.	100.00
10-90	10122.26	N.A.	71.70
20-40	4597.71	N.A.	32.60
20-50	4928.74	N.A.	34.90
40-70	331.76	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	14122.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	3999.9
10-20	5192.79
20-30	2717.57
30-40	1880.14
40-50	331.03
50-60	0.73
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00424_17 ~ C1320XT-160LXXK-NDEX-1310XT-SGXXMW.IES

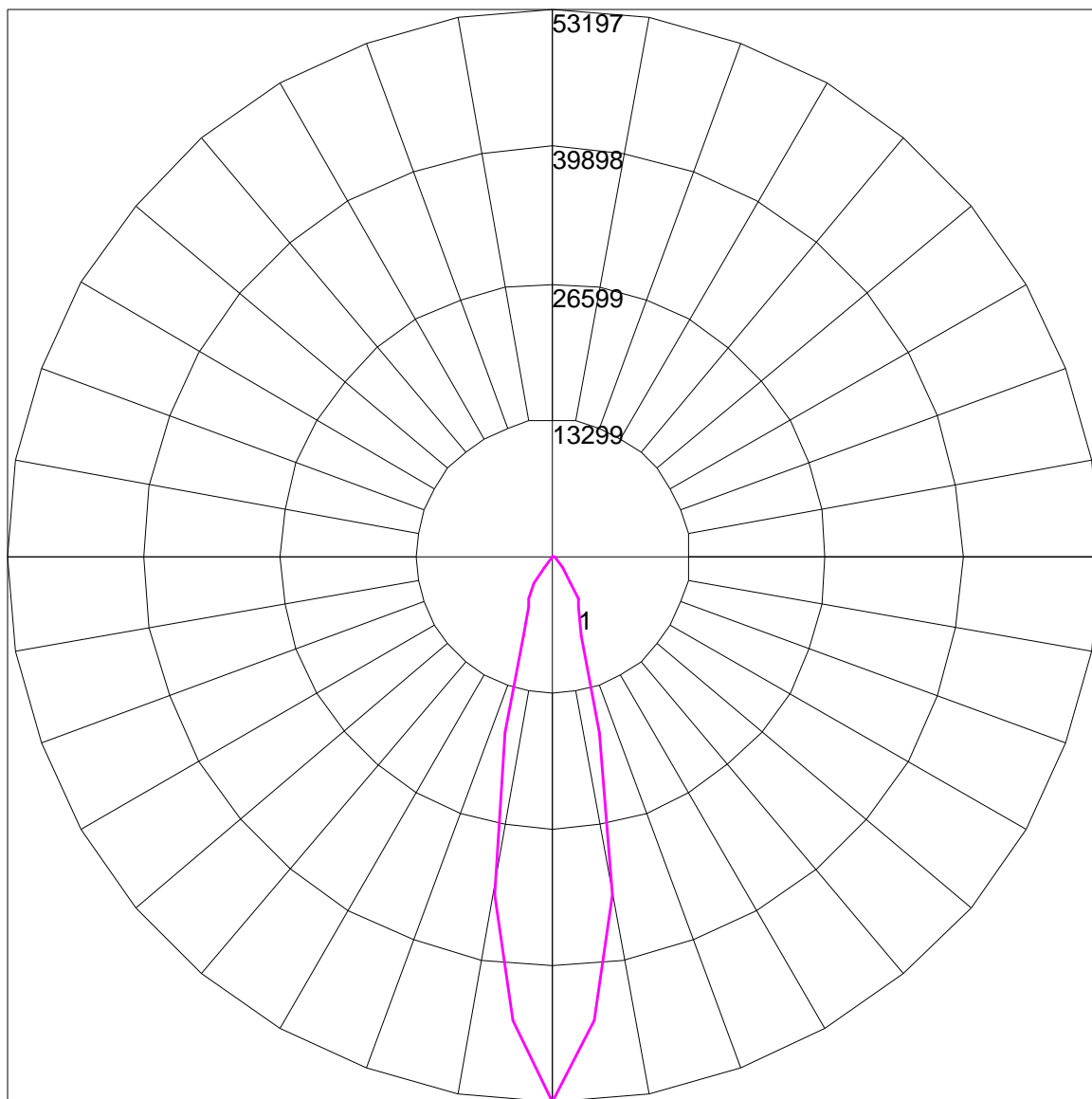
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00424_17 ~ C1320XT-160LXXK-NDEX-1310XT-SGXXMW.IES

POLAR GRAPH



Maximum Candela = 53197.191 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)