

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P297513

Luminaire Tested: **D3X-WO-60L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-60L92765-LD5-UNV-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4720.0 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

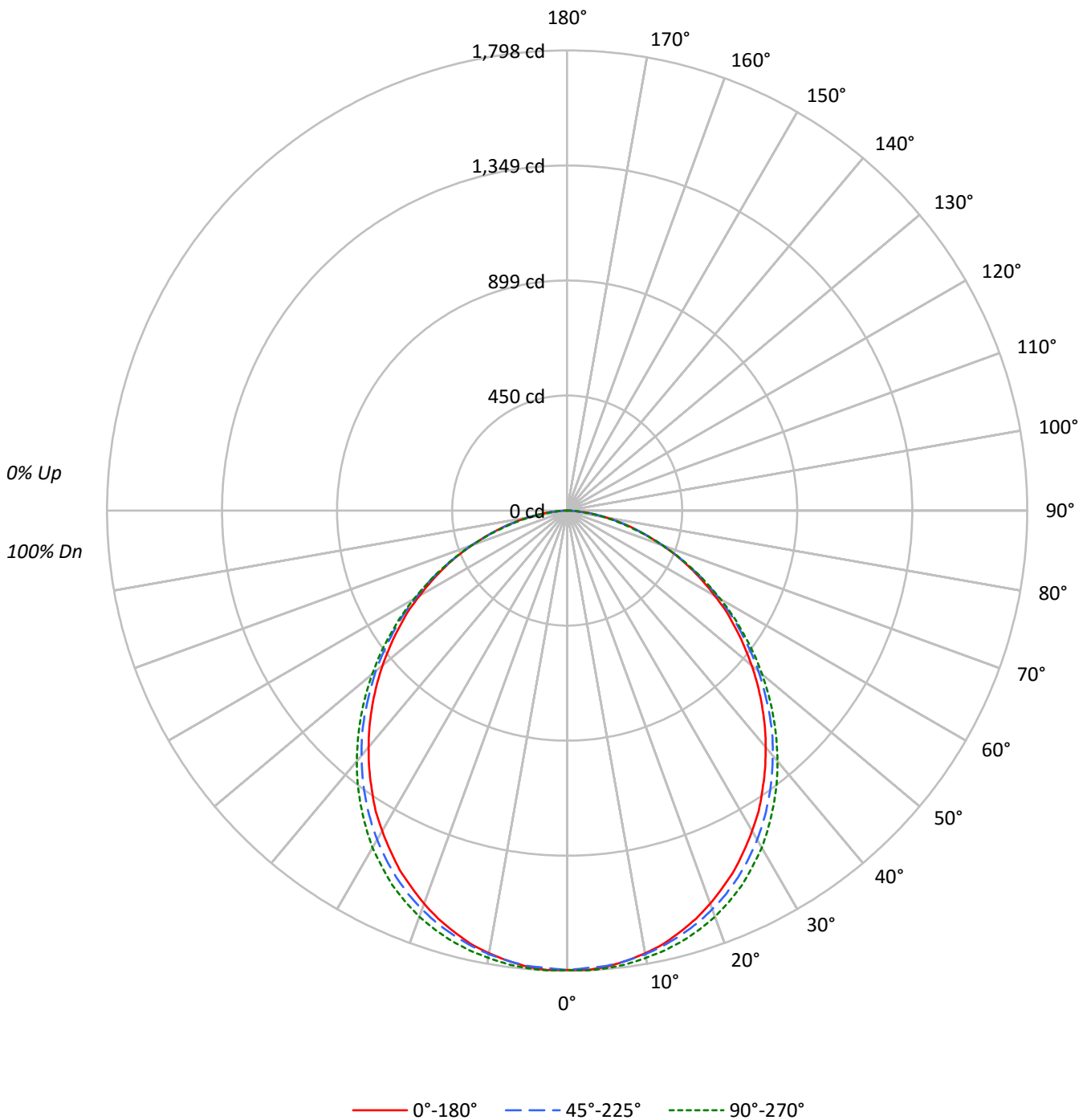
Input Watts (W): 43.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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	50	30	10	50	30	10	
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100	
1	109	105	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85	85	85	85	85	85	
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71	71	71	71	71	71	
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60	60	60	60	60	60	
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52	52	52	52	52	52	
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45	45	45	45	45	45	
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	41	39	39	39	39	39	39	
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35	35	35	35	35	35	
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31	31	31	31	31	31	
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28	28	28	28	28	28	
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26	26	26	26	26	26	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2415	2415	2415
5°	2416	2412	2425
10°	2400	2405	2424
15°	2374	2392	2425
20°	2340	2375	2418
25°	2299	2346	2398
30°	2245	2307	2364
35°	2186	2257	2309
40°	2120	2195	2245
45°	2048	2124	2169
50°	1970	2044	2080
55°	1887	1947	1977
60°	1793	1840	1861
65°	1691	1716	1726
70°	1551	1570	1551
75°	1397	1389	1347
80°	1182	1170	1134
85°	883	858	761



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.0	3.6
10°-20°	485.5	10.3
20°-30°	728.0	15.4
30°-40°	857.3	18.2
40°-50°	857.4	18.2
50°-60°	739.8	15.7
60°-70°	532.3	11.3
70°-80°	282.4	6.0
80°-90°	67.3	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1383.4	29.3
0°-40°	2240.7	47.5
0°-60°	3837.9	81.3
0°-90°	4720.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4720.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1795	1795	1795	1795	1795	
5°	1789	1787	1786	1792	1795	170
15°	1704	1709	1717	1735	1741	481
25°	1549	1558	1580	1608	1615	712
35°	1331	1347	1374	1398	1406	833
45°	1076	1091	1116	1135	1140	830
55°	804	812	830	844	843	720
65°	531	533	539	542	542	525
75°	269	266	267	261	259	286
85°	57	57	56	51	49	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1795.1	1795.1	1795.1	1795.1	1795.1
2.5°	1796.7	1793.5	1788.7	1795.1	1798.3
5°	1788.7	1787.2	1785.6	1791.9	1795.1
7.5°	1774.4	1776.0	1774.4	1784.0	1787.2
10°	1756.9	1758.5	1760.1	1771.3	1774.4
12.5°	1734.7	1736.3	1741.0	1755.4	1760.1
15°	1704.5	1709.2	1717.2	1734.7	1741.0
17.5°	1672.7	1679.0	1690.2	1710.8	1717.2
20°	1634.5	1642.5	1658.4	1680.6	1688.6
22.5°	1591.6	1599.5	1621.8	1645.6	1653.6
25°	1548.7	1558.2	1580.5	1607.5	1615.4
27.5°	1497.8	1510.5	1534.3	1561.4	1567.7
30°	1445.3	1456.4	1485.1	1510.5	1521.6
32.5°	1392.8	1404.0	1431.0	1456.4	1464.4
35°	1330.8	1346.7	1373.8	1397.6	1405.6
37.5°	1270.4	1284.7	1313.3	1337.2	1345.1
40°	1206.8	1219.5	1249.7	1272.0	1278.4
42.5°	1143.2	1155.9	1186.1	1203.6	1210.0
45°	1076.4	1090.7	1116.2	1135.3	1140.0
47.5°	1009.6	1020.8	1044.6	1062.1	1068.5
50°	941.3	952.4	976.3	990.6	993.7
52.5°	872.9	880.9	903.1	915.8	920.6
55°	804.5	812.5	830.0	844.3	842.7
57.5°	739.3	742.5	760.0	769.6	769.6
60°	666.2	669.4	683.7	690.1	691.6
62.5°	597.8	602.6	613.7	615.3	615.3
65°	531.1	532.6	539.0	542.2	542.2
67.5°	464.3	462.7	469.0	469.0	467.5
70°	394.3	397.5	399.1	395.9	394.3
72.5°	330.7	329.1	329.1	327.5	327.5
75°	268.7	265.5	267.1	260.8	259.2
77.5°	211.5	206.7	205.1	201.9	198.7
80°	152.6	152.6	151.0	147.9	146.3
82.5°	101.8	101.8	100.2	97.0	93.8
85°	57.2	57.2	55.6	50.9	49.3
87.5°	19.1	19.1	19.1	19.1	19.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)