

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: P297376

Luminaire Tested: **D3X-WO-60L82765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297376
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-60L82765-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6013.0 lumens
Efficiency: N/A
Efficacy: 137.6 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

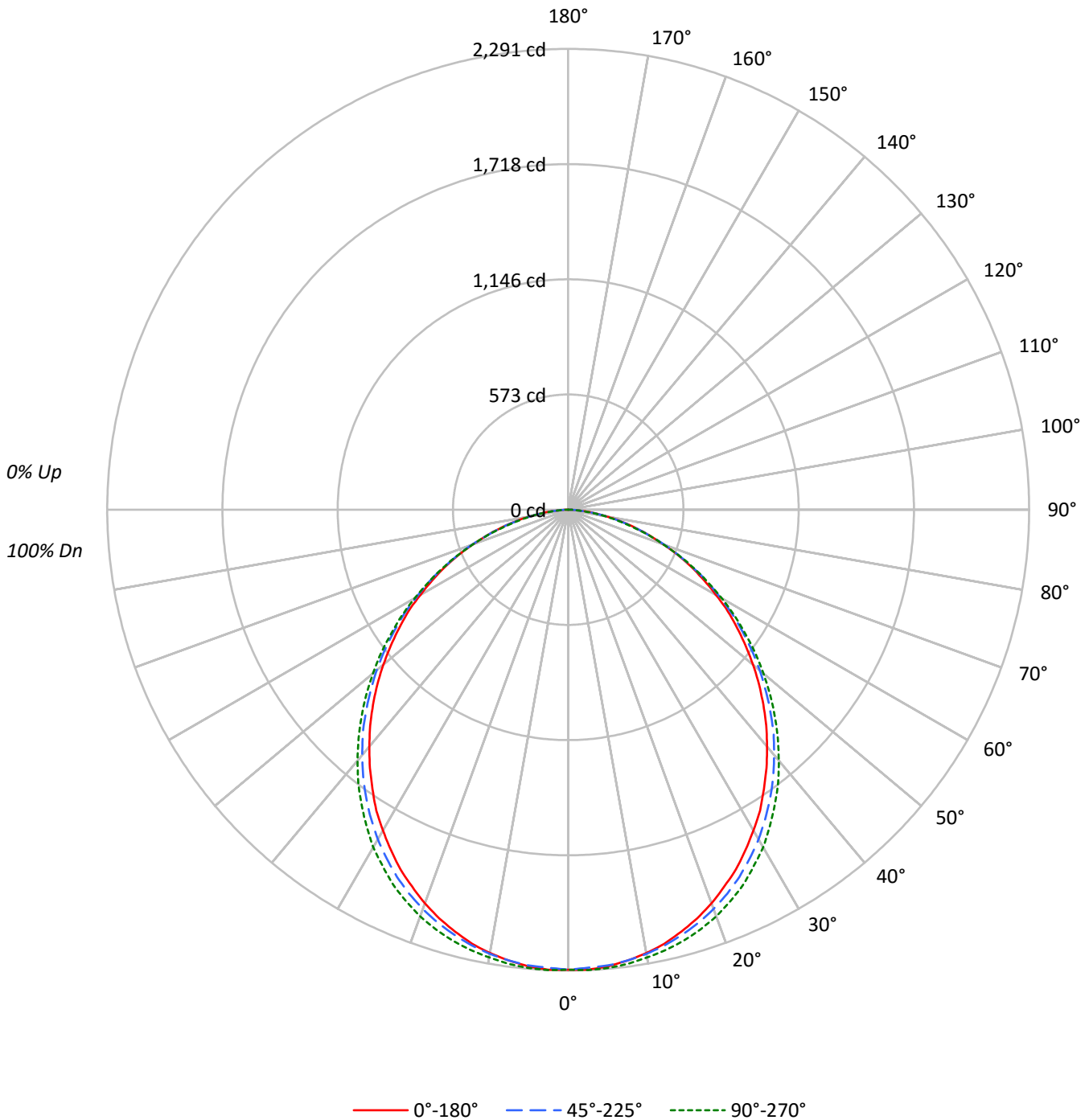
Input Watts (W): 43.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3077	3077	3077
5°	3078	3072	3089
10°	3058	3064	3088
15°	3025	3047	3090
20°	2982	3025	3080
25°	2929	2989	3055
30°	2861	2939	3012
35°	2785	2875	2941
40°	2700	2796	2860
45°	2609	2706	2763
50°	2510	2603	2650
55°	2404	2480	2518
60°	2284	2344	2371
65°	2154	2186	2199
70°	1976	2000	1976
75°	1779	1769	1717
80°	1507	1491	1444
85°	1125	1095	969



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.5	3.6
10°-20°	618.5	10.3
20°-30°	927.4	15.4
30°-40°	1092.1	18.2
40°-50°	1092.3	18.2
50°-60°	942.5	15.7
60°-70°	678.2	11.3
70°-80°	359.7	6.0
80°-90°	85.8	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°	1762.4	29.3
0°-40°	2854.5	47.5
0°-60°	4889.3	81.3
0°-90°	6013.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6013.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2287	2287	2287	2287	2287	
5°	2279	2277	2275	2283	2287	216
15°	2171	2178	2188	2210	2218	612
25°	1973	1985	2013	2048	2058	907
35°	1695	1716	1750	1780	1791	1061
45°	1371	1390	1422	1446	1452	1058
55°	1025	1035	1057	1076	1074	917
65°	676	679	687	691	691	669
75°	342	338	340	332	330	364
85°	73	73	71	65	63	88
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2286.9	2286.9	2286.9	2286.9	2286.9
2.5°	2288.9	2284.8	2278.8	2286.9	2290.9
5°	2278.8	2276.7	2274.7	2282.8	2286.9
7.5°	2260.5	2262.5	2260.5	2272.7	2276.7
10°	2238.2	2240.3	2242.3	2256.5	2260.5
12.5°	2209.9	2211.9	2218.0	2236.2	2242.3
15°	2171.4	2177.5	2187.6	2209.9	2218.0
17.5°	2130.9	2139.0	2153.2	2179.5	2187.6
20°	2082.3	2092.4	2112.7	2141.0	2151.1
22.5°	2027.6	2037.7	2066.1	2096.5	2106.6
25°	1972.9	1985.0	2013.4	2047.8	2058.0
27.5°	1908.1	1924.3	1954.7	1989.1	1997.2
30°	1841.2	1855.4	1891.9	1924.3	1938.5
32.5°	1774.4	1788.6	1823.0	1855.4	1865.5
35°	1695.4	1715.6	1750.1	1780.5	1790.6
37.5°	1618.4	1636.7	1673.1	1703.5	1713.6
40°	1537.4	1553.6	1592.1	1620.4	1628.5
42.5°	1456.4	1472.6	1511.1	1533.3	1541.4
45°	1371.3	1389.5	1421.9	1446.2	1452.3
47.5°	1286.2	1300.4	1330.8	1353.1	1361.2
50°	1199.1	1213.3	1243.7	1261.9	1266.0
52.5°	1112.0	1122.2	1150.5	1166.7	1172.8
55°	1024.9	1035.1	1057.3	1075.6	1073.5
57.5°	941.9	945.9	968.2	980.4	980.4
60°	848.7	852.8	871.0	879.1	881.1
62.5°	761.6	767.7	781.9	783.9	783.9
65°	676.5	678.6	686.7	690.7	690.7
67.5°	591.5	589.4	597.5	597.5	595.5
70°	502.3	506.4	508.4	504.4	502.3
72.5°	421.3	419.3	419.3	417.3	417.3
75°	342.3	338.3	340.3	332.2	330.2
77.5°	269.4	263.3	261.3	257.2	253.2
80°	194.5	194.5	192.4	188.4	186.4
82.5°	129.6	129.6	127.6	123.6	119.5
85°	72.9	72.9	70.9	64.8	62.8
87.5°	24.3	24.3	24.3	24.3	24.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)