

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: P297379

Luminaire Tested: **D3X-WO-60L82765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297379
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-5500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6264.0 lumens
Efficiency: N/A
Efficacy: 140.8 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

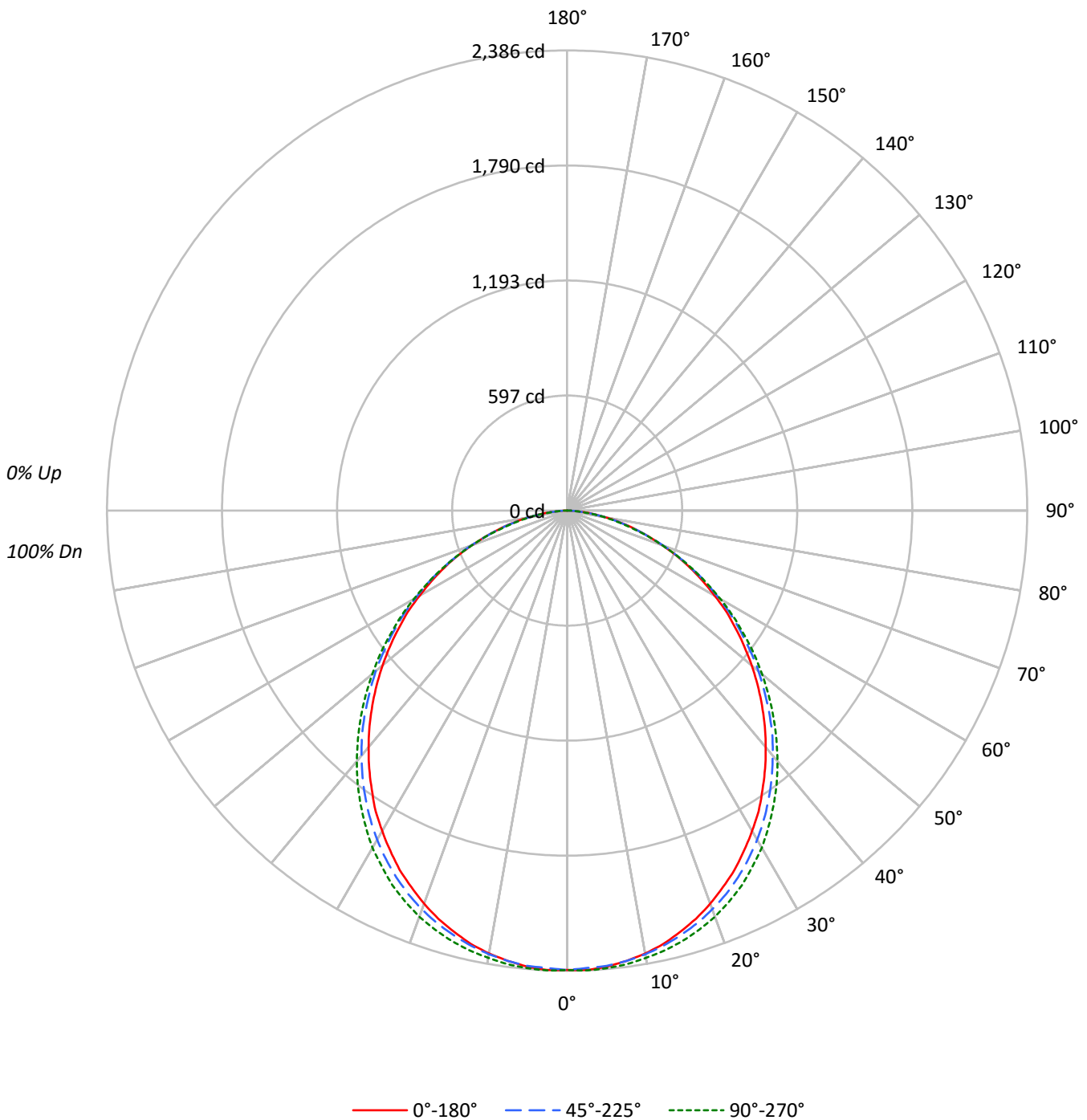
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3205	3205	3205
5°	3206	3201	3218
10°	3186	3191	3217
15°	3151	3174	3219
20°	3106	3151	3209
25°	3051	3114	3183
30°	2980	3062	3137
35°	2901	2995	3064
40°	2813	2913	2980
45°	2718	2819	2879
50°	2615	2712	2761
55°	2505	2584	2624
60°	2379	2442	2470
65°	2244	2277	2291
70°	2059	2083	2059
75°	1854	1843	1788
80°	1570	1554	1504
85°	1173	1141	1010



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.6	3.6
10°-20°	644.3	10.3
20°-30°	966.1	15.4
30°-40°	1137.7	18.2
40°-50°	1137.9	18.2
50°-60°	981.8	15.7
60°-70°	706.5	11.3
70°-80°	374.7	6.0
80°-90°	89.4	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°	1836.0	29.3
0°-40°	2973.7	47.5
0°-60°	5093.4	81.3
0°-90°	6264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6264.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2382	2382	2382	2382	2382	
5°	2374	2372	2370	2378	2382	225
15°	2262	2268	2279	2302	2311	638
25°	2055	2068	2097	2133	2144	945
35°	1766	1787	1823	1855	1865	1105
45°	1428	1448	1481	1507	1513	1102
55°	1068	1078	1102	1120	1118	956
65°	705	707	715	720	720	697
75°	357	352	354	346	344	379
85°	76	76	74	68	65	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2382.3	2382.3	2382.3	2382.3	2382.3
2.5°	2384.4	2380.2	2373.9	2382.3	2386.5
5°	2373.9	2371.8	2369.7	2378.1	2382.3
7.5°	2354.9	2357.0	2354.9	2367.5	2371.8
10°	2331.7	2333.8	2335.9	2350.7	2354.9
12.5°	2302.1	2304.2	2310.6	2329.6	2335.9
15°	2262.0	2268.4	2278.9	2302.1	2310.6
17.5°	2219.8	2228.3	2243.0	2270.5	2278.9
20°	2169.2	2179.7	2200.8	2230.4	2240.9
22.5°	2112.2	2122.8	2152.3	2184.0	2194.5
25°	2055.2	2067.9	2097.4	2133.3	2143.9
27.5°	1987.7	2004.6	2036.3	2072.1	2080.6
30°	1918.1	1932.9	1970.8	2004.6	2019.4
32.5°	1848.5	1863.2	1899.1	1932.9	1943.4
35°	1766.2	1787.3	1823.1	1854.8	1865.3
37.5°	1686.0	1705.0	1743.0	1774.6	1785.2
40°	1601.6	1618.5	1658.5	1688.1	1696.5
42.5°	1517.2	1534.1	1574.1	1597.4	1605.8
45°	1428.5	1447.5	1481.3	1506.6	1512.9
47.5°	1339.9	1354.7	1386.3	1409.6	1418.0
50°	1249.2	1264.0	1295.6	1314.6	1318.8
52.5°	1158.5	1169.0	1198.5	1215.4	1221.8
55°	1067.7	1078.3	1101.5	1120.5	1118.4
57.5°	981.2	985.4	1008.6	1021.3	1021.3
60°	884.1	888.4	907.3	915.8	917.9
62.5°	793.4	799.7	814.5	816.6	816.6
65°	704.8	706.9	715.3	719.5	719.5
67.5°	616.2	614.0	622.5	622.5	620.4
70°	523.3	527.5	529.6	525.4	523.3
72.5°	438.9	436.8	436.8	434.7	434.7
75°	356.6	352.4	354.5	346.1	343.9
77.5°	280.6	274.3	272.2	268.0	263.8
80°	202.6	202.6	200.5	196.2	194.1
82.5°	135.0	135.0	132.9	128.7	124.5
85°	76.0	76.0	73.9	67.5	65.4
87.5°	25.3	25.3	25.3	25.3	25.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)