

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: P297307

Luminaire Tested: **D3X-WO-67L83050-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297307
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-67L83050-LD5-UNV-24-T1-W2A-4500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7099.0 lumens
Efficiency: N/A
Efficacy: 138.9 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

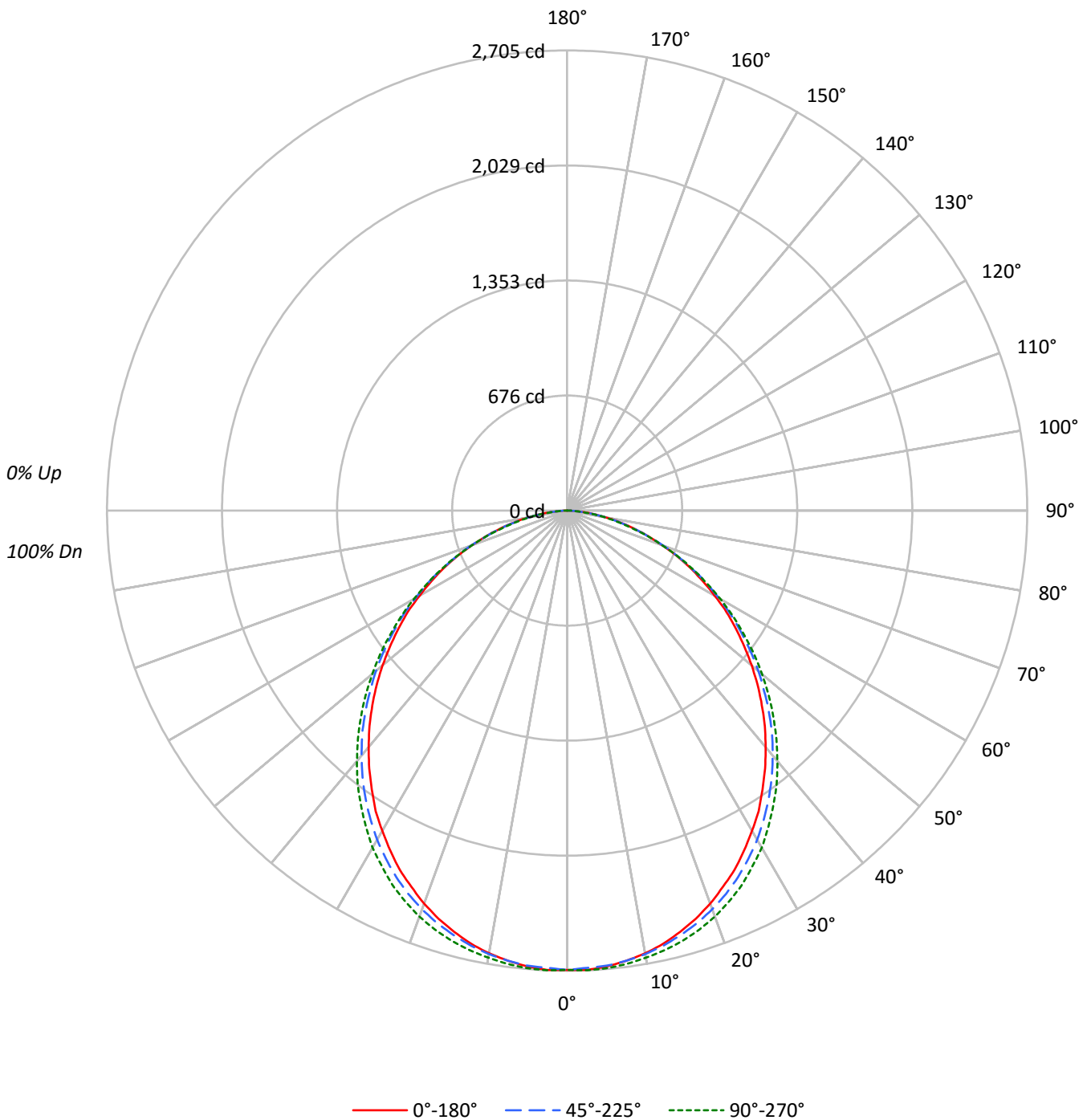
Input Watts (W): 51.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297307

CATALOG NUMBER: D3X-WO-67L83050-LD5-UNV-24-T1-W2A-4500K

Luminous Intensity Polar Plot





TEST NUMBER: P297307

CATALOG NUMBER: D3X-WO-67L83050-LD5-UNV-24-T1-W2A-4500K

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°	3633	3633	3633
5°	3634	3627	3647
10°	3610	3617	3646
15°	3571	3598	3648
20°	3520	3571	3636
25°	3458	3529	3607
30°	3377	3470	3556
35°	3288	3394	3472
40°	3188	3301	3377
45°	3081	3194	3263
50°	2963	3073	3129
55°	2838	2928	2973
60°	2696	2767	2799
65°	2543	2581	2596
70°	2333	2361	2333
75°	2101	2089	2026
80°	1779	1760	1705
85°	1329	1292	1144



TEST NUMBER: P297307

CATALOG NUMBER: D3X-WO-67L83050-LD5-UNV-24-T1-W2A-4500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.6	3.6
10°-20°	730.2	10.3
20°-30°	1094.9	15.4
30°-40°	1289.4	18.2
40°-50°	1289.6	18.2
50°-60°	1112.7	15.7
60°-70°	800.7	11.3
70°-80°	424.7	6.0
80°-90°	101.3	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°	2080.7	29.3
0°-40°	3370.1	47.5
0°-60°	5772.4	81.3
0°-90°	7099.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7099.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2700	2700	2700	2700	2700	
5°	2690	2688	2686	2695	2700	255
15°	2564	2571	2583	2609	2619	723
25°	2329	2344	2377	2418	2430	1071
35°	2002	2026	2066	2102	2114	1252
45°	1619	1640	1679	1708	1715	1249
55°	1210	1222	1248	1270	1267	1083
65°	799	801	811	816	816	790
75°	404	399	402	392	390	430
85°	86	86	84	76	74	104
90°	0	0	0	0	0	



TEST NUMBER: P297307

CATALOG NUMBER: D3X-WO-67L83050-LD5-UNV-24-T1-W2A-4500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2699.9	2699.9	2699.9	2699.9	2699.9
2.5°	2702.3	2697.5	2690.3	2699.9	2704.7
5°	2690.3	2687.9	2685.5	2695.1	2699.9
7.5°	2668.8	2671.2	2668.8	2683.1	2687.9
10°	2642.5	2644.9	2647.3	2664.0	2668.8
12.5°	2609.0	2611.4	2618.6	2640.1	2647.3
15°	2563.6	2570.7	2582.7	2609.0	2618.6
17.5°	2515.7	2525.3	2542.0	2573.1	2582.7
20°	2458.4	2470.3	2494.2	2527.7	2539.7
22.5°	2393.8	2405.7	2439.2	2475.1	2487.0
25°	2329.2	2343.6	2377.0	2417.7	2429.7
27.5°	2252.7	2271.8	2307.7	2348.3	2357.9
30°	2173.8	2190.5	2233.6	2271.8	2288.6
32.5°	2094.9	2111.6	2152.3	2190.5	2202.5
35°	2001.6	2025.5	2066.2	2102.0	2114.0
37.5°	1910.7	1932.2	1975.3	2011.2	2023.1
40°	1815.1	1834.2	1879.6	1913.1	1922.7
42.5°	1719.4	1738.5	1784.0	1810.3	1819.8
45°	1619.0	1640.5	1678.8	1707.5	1714.6
47.5°	1518.5	1535.3	1571.1	1597.4	1607.0
50°	1415.7	1432.4	1468.3	1489.8	1494.6
52.5°	1312.9	1324.8	1358.3	1377.4	1384.6
55°	1210.0	1222.0	1248.3	1269.8	1267.4
57.5°	1112.0	1116.8	1143.1	1157.4	1157.4
60°	1002.0	1006.8	1028.3	1037.9	1040.3
62.5°	899.2	906.3	923.1	925.5	925.5
65°	798.7	801.1	810.7	815.5	815.5
67.5°	698.3	695.9	705.5	705.5	703.1
70°	593.1	597.8	600.2	595.5	593.1
72.5°	497.4	495.0	495.0	492.6	492.6
75°	404.1	399.4	401.8	392.2	389.8
77.5°	318.1	310.9	308.5	303.7	298.9
80°	229.6	229.6	227.2	222.4	220.0
82.5°	153.0	153.0	150.7	145.9	141.1
85°	86.1	86.1	83.7	76.5	74.1
87.5°	28.7	28.7	28.7	28.7	28.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)