

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: P297305

Luminaire Tested: **D3X-WO-67L83050-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297305
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-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6697.0 lumens
Efficiency: N/A
Efficacy: 137.8 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

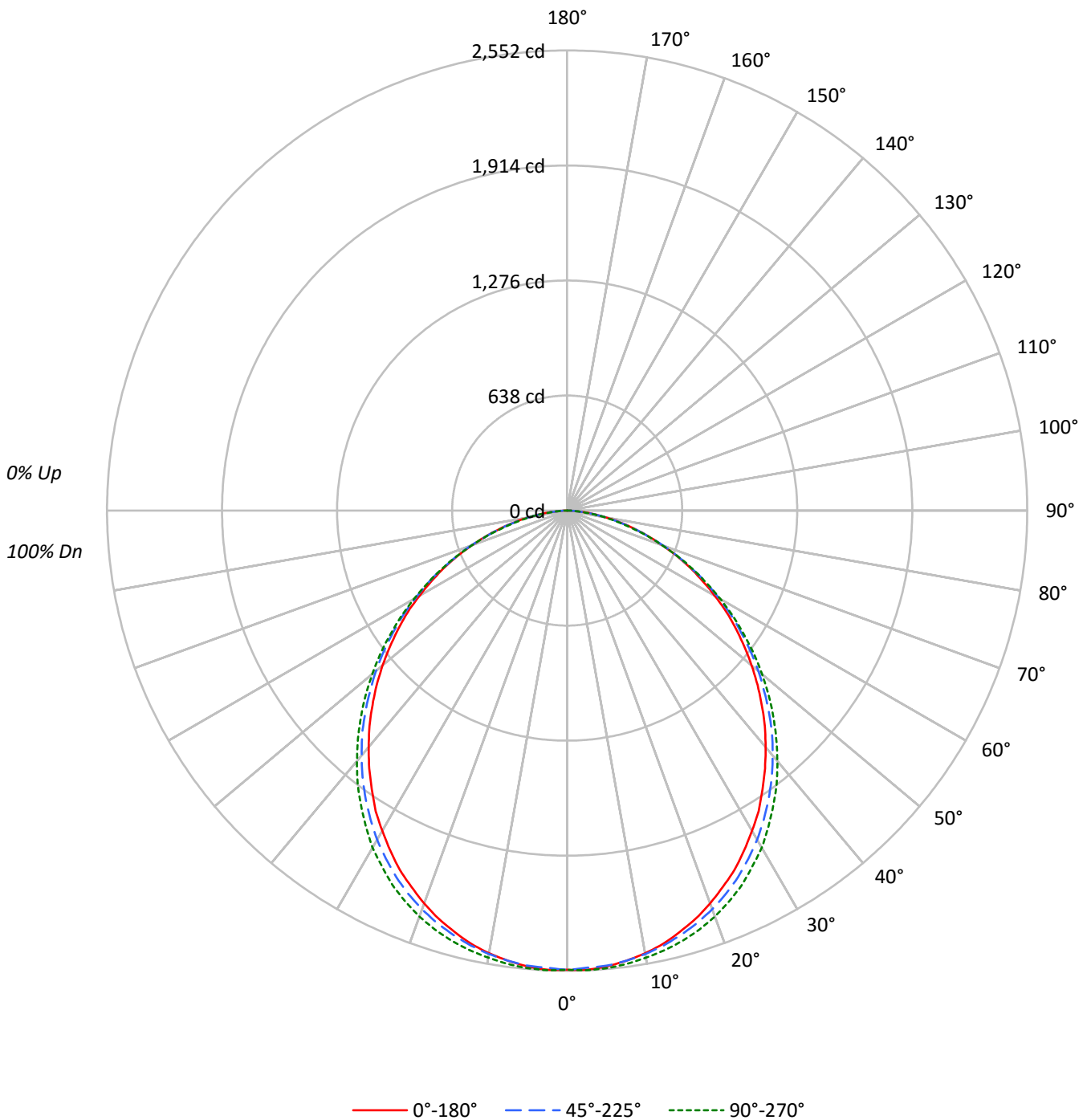
Input Watts (W): 48.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3427	3427	3427
5°	3428	3422	3440
10°	3406	3412	3440
15°	3369	3394	3441
20°	3321	3369	3430
25°	3262	3329	3403
30°	3186	3274	3354
35°	3101	3202	3276
40°	3008	3114	3186
45°	2906	3013	3078
50°	2795	2900	2951
55°	2678	2762	2805
60°	2544	2611	2641
65°	2399	2435	2449
70°	2201	2227	2201
75°	1982	1970	1912
80°	1678	1660	1608
85°	1254	1220	1079



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.1	3.6
10°-20°	688.9	10.3
20°-30°	1032.9	15.4
30°-40°	1216.4	18.2
40°-50°	1216.6	18.2
50°-60°	1049.7	15.7
60°-70°	755.3	11.3
70°-80°	400.6	6.0
80°-90°	95.6	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°	1962.9	29.3
0°-40°	3179.3	47.5
0°-60°	5445.5	81.3
0°-90°	6697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6697.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2547	2547	2547	2547	2547	
5°	2538	2536	2534	2542	2547	241
15°	2418	2425	2436	2461	2470	682
25°	2197	2211	2242	2281	2292	1011
35°	1888	1911	1949	1983	1994	1181
45°	1527	1548	1584	1611	1618	1178
55°	1142	1153	1178	1198	1196	1022
65°	754	756	765	769	769	745
75°	381	377	379	370	368	406
85°	81	81	79	72	70	98
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2547.0	2547.0	2547.0	2547.0	2547.0
2.5°	2549.2	2544.7	2538.0	2547.0	2551.5
5°	2538.0	2535.7	2533.5	2542.5	2547.0
7.5°	2517.7	2519.9	2517.7	2531.2	2535.7
10°	2492.8	2495.1	2497.4	2513.2	2517.7
12.5°	2461.3	2463.5	2470.3	2490.6	2497.4
15°	2418.4	2425.2	2436.5	2461.3	2470.3
17.5°	2373.3	2382.3	2398.1	2427.4	2436.5
20°	2319.1	2330.4	2353.0	2384.6	2395.8
22.5°	2258.2	2269.5	2301.1	2334.9	2346.2
25°	2197.3	2210.9	2242.4	2280.8	2292.1
27.5°	2125.1	2143.2	2177.0	2215.4	2224.4
30°	2050.7	2066.5	2107.1	2143.2	2159.0
32.5°	1976.2	1992.0	2030.4	2066.5	2077.8
35°	1888.2	1910.8	1949.2	1983.0	1994.3
37.5°	1802.5	1822.8	1863.4	1897.3	1908.6
40°	1712.3	1730.3	1773.2	1804.8	1813.8
42.5°	1622.0	1640.1	1683.0	1707.8	1716.8
45°	1527.3	1547.6	1583.7	1610.8	1617.5
47.5°	1432.5	1448.3	1482.2	1507.0	1516.0
50°	1335.5	1351.3	1385.2	1405.5	1410.0
52.5°	1238.5	1249.8	1281.4	1299.4	1306.2
55°	1141.5	1152.8	1177.6	1197.9	1195.7
57.5°	1049.0	1053.5	1078.4	1091.9	1091.9
60°	945.3	949.8	970.1	979.1	981.3
62.5°	848.2	855.0	870.8	873.1	873.1
65°	753.5	755.8	764.8	769.3	769.3
67.5°	658.7	656.5	665.5	665.5	663.3
70°	559.5	564.0	566.2	561.7	559.5
72.5°	469.2	467.0	467.0	464.7	464.7
75°	381.3	376.7	379.0	370.0	367.7
77.5°	300.0	293.3	291.0	286.5	282.0
80°	216.6	216.6	214.3	209.8	207.5
82.5°	144.4	144.4	142.1	137.6	133.1
85°	81.2	81.2	79.0	72.2	69.9
87.5°	27.1	27.1	27.1	27.1	27.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)