

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: P297306

Luminaire Tested: **D3X-WO-67L83050-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297306
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-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: 7032.0 lumens
Efficiency: N/A
Efficacy: 141.2 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

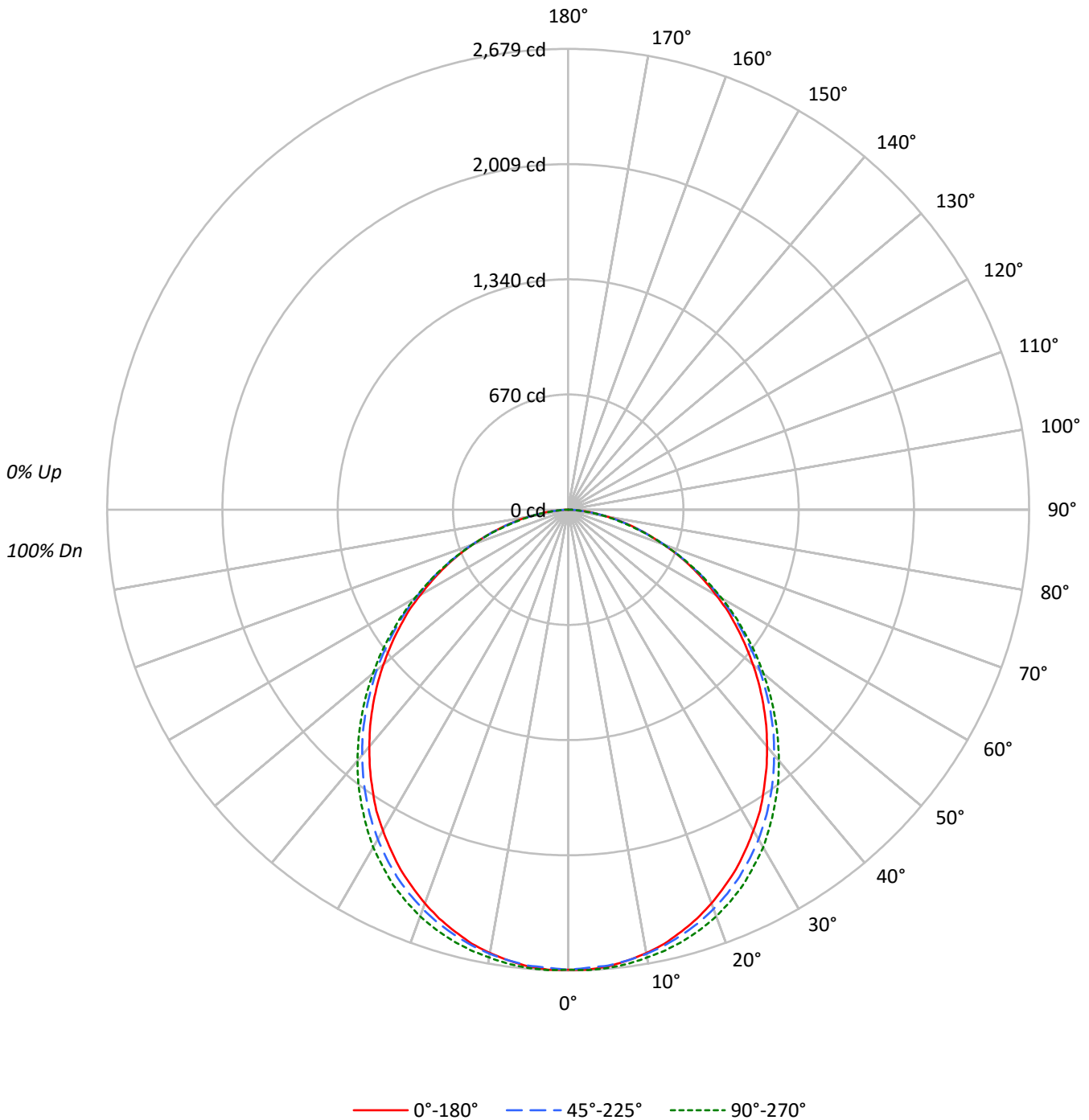
Input Watts (W): 49.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3598	3598	3598
5°	3599	3593	3612
10°	3576	3583	3612
15°	3537	3564	3613
20°	3487	3538	3602
25°	3425	3496	3573
30°	3345	3437	3522
35°	3257	3362	3439
40°	3158	3270	3345
45°	3052	3164	3232
50°	2935	3045	3099
55°	2812	2901	2945
60°	2671	2741	2773
65°	2519	2557	2572
70°	2311	2339	2311
75°	2081	2069	2007
80°	1762	1743	1688
85°	1317	1280	1133



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.2	3.6
10°-20°	723.3	10.3
20°-30°	1084.5	15.4
30°-40°	1277.2	18.2
40°-50°	1277.4	18.2
50°-60°	1102.2	15.7
60°-70°	793.1	11.3
70°-80°	420.7	6.0
80°-90°	100.3	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°	2061.1	29.3
0°-40°	3338.3	47.5
0°-60°	5717.9	81.3
0°-90°	7032.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7032.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2674	2674	2674	2674	2674	
5°	2665	2663	2660	2670	2674	253
15°	2539	2546	2558	2584	2594	716
25°	2307	2321	2355	2395	2407	1061
35°	1983	2006	2047	2082	2094	1240
45°	1604	1625	1663	1691	1698	1237
55°	1199	1210	1236	1258	1256	1073
65°	791	794	803	808	808	783
75°	400	396	398	388	386	426
85°	85	85	83	76	73	103
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2674.4	2674.4	2674.4	2674.4	2674.4
2.5°	2676.8	2672.0	2664.9	2674.4	2679.1
5°	2664.9	2662.6	2660.2	2669.7	2674.4
7.5°	2643.6	2646.0	2643.6	2657.8	2662.6
10°	2617.5	2619.9	2622.3	2638.9	2643.6
12.5°	2584.4	2586.8	2593.9	2615.2	2622.3
15°	2539.4	2546.5	2558.3	2584.4	2593.9
17.5°	2492.0	2501.5	2518.1	2548.9	2558.3
20°	2435.1	2447.0	2470.7	2503.8	2515.7
22.5°	2371.2	2383.0	2416.2	2451.7	2463.6
25°	2307.2	2321.4	2354.6	2394.9	2406.7
27.5°	2231.4	2250.4	2285.9	2326.2	2335.7
30°	2153.3	2169.8	2212.5	2250.4	2267.0
32.5°	2075.1	2091.7	2131.9	2169.8	2181.7
35°	1982.7	2006.4	2046.7	2082.2	2094.0
37.5°	1892.7	1914.0	1956.6	1992.2	2004.0
40°	1797.9	1816.9	1861.9	1895.1	1904.5
42.5°	1703.2	1722.1	1767.1	1793.2	1802.7
45°	1603.7	1625.0	1662.9	1691.3	1698.4
47.5°	1504.2	1520.8	1556.3	1582.4	1591.8
50°	1402.3	1418.9	1454.5	1475.8	1480.5
52.5°	1300.5	1312.3	1345.5	1364.4	1371.5
55°	1198.6	1210.5	1236.5	1257.8	1255.5
57.5°	1101.5	1106.2	1132.3	1146.5	1146.5
60°	992.5	997.3	1018.6	1028.1	1030.4
62.5°	890.7	897.8	914.4	916.7	916.7
65°	791.2	793.6	803.0	807.8	807.8
67.5°	691.7	689.3	698.8	698.8	696.4
70°	587.5	592.2	594.6	589.8	587.5
72.5°	492.7	490.3	490.3	488.0	488.0
75°	400.3	395.6	398.0	388.5	386.1
77.5°	315.1	307.9	305.6	300.8	296.1
80°	227.4	227.4	225.0	220.3	217.9
82.5°	151.6	151.6	149.2	144.5	139.8
85°	85.3	85.3	82.9	75.8	73.4
87.5°	28.4	28.4	28.4	28.4	28.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)