

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: P297530

Luminaire Tested: **D3X-WO-67L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297530
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-67L92765-LD5-UNV-24-T1-W2A-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6356.0 lumens
Efficiency: N/A
Efficacy: 124.9 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

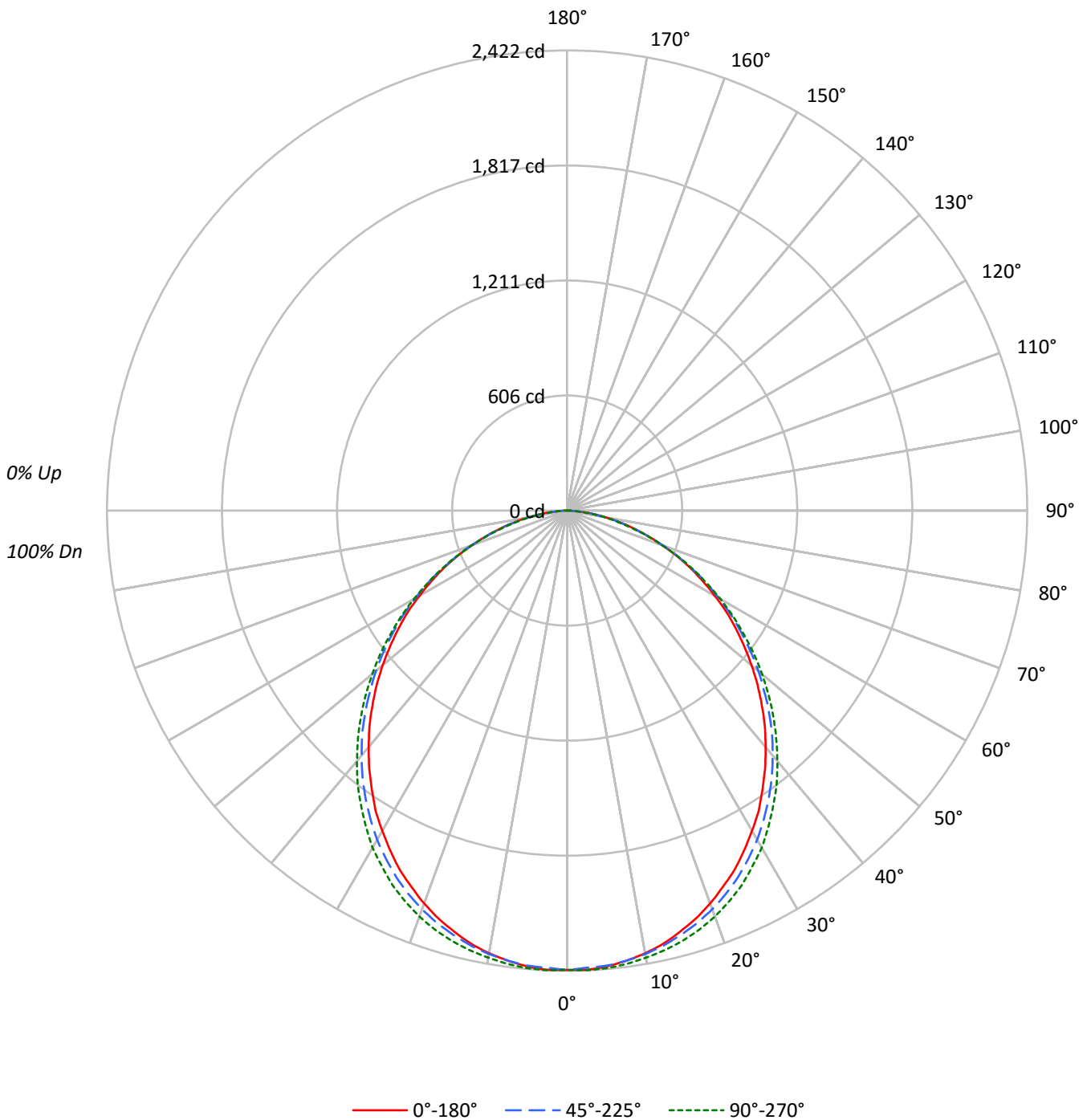
Input Watts (W): 50.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3252	3252	3252
5°	3253	3248	3265
10°	3232	3238	3265
15°	3197	3221	3266
20°	3152	3198	3256
25°	3096	3160	3230
30°	3024	3107	3183
35°	2944	3039	3109
40°	2854	2956	3023
45°	2758	2860	2921
50°	2653	2752	2801
55°	2541	2622	2662
60°	2414	2478	2506
65°	2277	2311	2324
70°	2089	2114	2089
75°	1881	1870	1814
80°	1592	1576	1526
85°	1190	1156	1025



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.9	3.6
10°-20°	653.8	10.3
20°-30°	980.3	15.4
30°-40°	1154.4	18.2
40°-50°	1154.6	18.2
50°-60°	996.2	15.7
60°-70°	716.9	11.3
70°-80°	380.2	6.0
80°-90°	90.7	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°	1862.9	29.3
0°-40°	3017.4	47.5
0°-60°	5168.2	81.3
0°-90°	6356.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6356.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2417	2417	2417	2417	2417	
5°	2409	2407	2404	2413	2417	228
15°	2295	2302	2312	2336	2344	647
25°	2085	2098	2128	2165	2175	959
35°	1792	1814	1850	1882	1893	1121
45°	1450	1469	1503	1529	1535	1118
55°	1083	1094	1118	1137	1135	970
65°	715	717	726	730	730	707
75°	362	358	360	351	349	385
85°	77	77	75	68	66	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2417.3	2417.3	2417.3	2417.3	2417.3
2.5°	2419.4	2415.2	2408.7	2417.3	2421.6
5°	2408.7	2406.6	2404.5	2413.0	2417.3
7.5°	2389.5	2391.6	2389.5	2402.3	2406.6
10°	2365.9	2368.1	2370.2	2385.2	2389.5
12.5°	2335.9	2338.1	2344.5	2363.8	2370.2
15°	2295.3	2301.7	2312.4	2335.9	2344.5
17.5°	2252.4	2261.0	2276.0	2303.8	2312.4
20°	2201.1	2211.8	2233.2	2263.1	2273.9
22.5°	2143.2	2153.9	2183.9	2216.0	2226.7
25°	2085.4	2098.3	2128.3	2164.7	2175.4
27.5°	2016.9	2034.0	2066.2	2102.6	2111.1
30°	1946.3	1961.2	1999.8	2034.0	2049.0
32.5°	1875.6	1890.6	1927.0	1961.2	1972.0
35°	1792.1	1813.5	1849.9	1882.0	1892.7
37.5°	1710.7	1730.0	1768.6	1800.7	1811.4
40°	1625.1	1642.2	1682.9	1712.9	1721.4
42.5°	1539.5	1556.6	1597.3	1620.8	1629.4
45°	1449.5	1468.8	1503.1	1528.7	1535.2
47.5°	1359.6	1374.6	1406.7	1430.3	1438.8
50°	1267.5	1282.5	1314.6	1333.9	1338.2
52.5°	1175.5	1186.2	1216.1	1233.3	1239.7
55°	1083.4	1094.1	1117.7	1136.9	1134.8
57.5°	995.6	999.9	1023.4	1036.3	1036.3
60°	897.1	901.4	920.7	929.2	931.4
62.5°	805.1	811.5	826.5	828.6	828.6
65°	715.1	717.3	725.8	730.1	730.1
67.5°	625.2	623.1	631.6	631.6	629.5
70°	531.0	535.3	537.4	533.1	531.0
72.5°	445.3	443.2	443.2	441.1	441.1
75°	361.8	357.6	359.7	351.1	349.0
77.5°	284.8	278.3	276.2	271.9	267.6
80°	205.5	205.5	203.4	199.1	197.0
82.5°	137.0	137.0	134.9	130.6	126.3
85°	77.1	77.1	74.9	68.5	66.4
87.5°	25.7	25.7	25.7	25.7	25.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)