

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: P297523

Luminaire Tested: **D3X-WO-67L92765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297523
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-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5457.0 lumens
Efficiency: N/A
Efficacy: 113.2 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

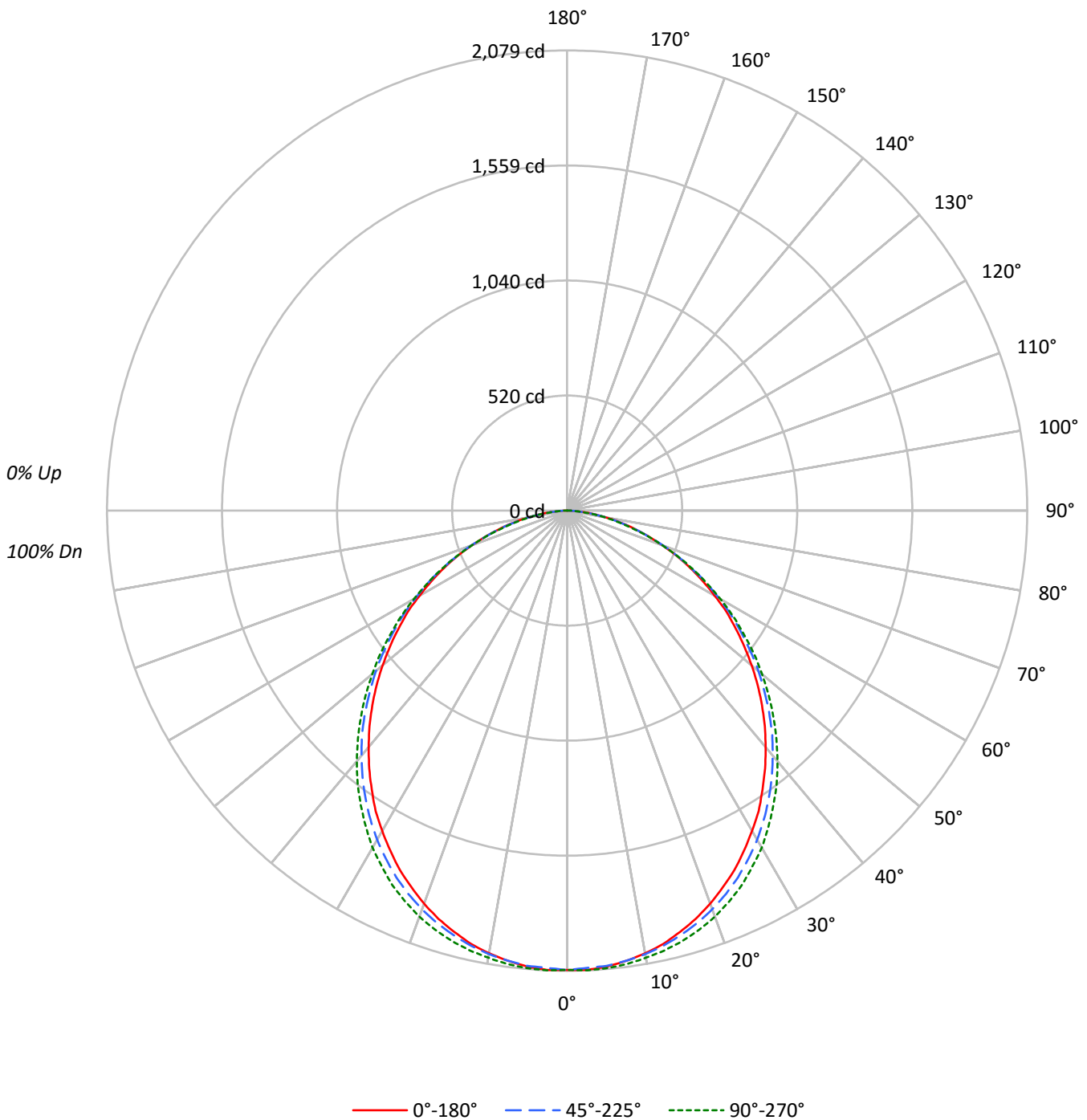
Input Watts (W): 48.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2792	2792	2792
5°	2793	2788	2803
10°	2775	2780	2803
15°	2745	2765	2804
20°	2706	2745	2795
25°	2658	2713	2773
30°	2596	2667	2733
35°	2527	2609	2669
40°	2451	2538	2596
45°	2368	2456	2508
50°	2278	2363	2405
55°	2182	2251	2286
60°	2073	2127	2152
65°	1955	1984	1996
70°	1793	1815	1793
75°	1615	1605	1557
80°	1368	1353	1310
85°	1022	993	880



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.5	3.6
10°-20°	561.3	10.3
20°-30°	841.6	15.4
30°-40°	991.1	18.2
40°-50°	991.3	18.2
50°-60°	855.3	15.7
60°-70°	615.5	11.3
70°-80°	326.5	6.0
80°-90°	77.9	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°	1599.4	29.3
0°-40°	2590.6	47.5
0°-60°	4437.2	81.3
0°-90°	5457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5457.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2075	2075	2075	2075	2075	
5°	2068	2066	2064	2072	2075	196
15°	1971	1976	1985	2006	2013	556
25°	1790	1802	1827	1858	1868	824
35°	1539	1557	1588	1616	1625	963
45°	1244	1261	1290	1312	1318	960
55°	930	939	960	976	974	832
65°	614	616	623	627	627	607
75°	311	307	309	302	300	331
85°	66	66	64	59	57	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2075.4	2075.4	2075.4	2075.4	2075.4
2.5°	2077.2	2073.6	2068.0	2075.4	2079.1
5°	2068.0	2066.2	2064.4	2071.7	2075.4
7.5°	2051.5	2053.3	2051.5	2062.5	2066.2
10°	2031.3	2033.1	2035.0	2047.8	2051.5
12.5°	2005.5	2007.4	2012.9	2029.4	2035.0
15°	1970.6	1976.1	1985.3	2005.5	2012.9
17.5°	1933.9	1941.2	1954.1	1978.0	1985.3
20°	1889.7	1898.9	1917.3	1943.0	1952.2
22.5°	1840.1	1849.3	1875.0	1902.6	1911.8
25°	1790.5	1801.5	1827.2	1858.5	1867.7
27.5°	1731.6	1746.3	1773.9	1805.2	1812.5
30°	1671.0	1683.8	1716.9	1746.3	1759.2
32.5°	1610.3	1623.2	1654.4	1683.8	1693.0
35°	1538.6	1557.0	1588.3	1615.8	1625.0
37.5°	1468.8	1485.3	1518.4	1546.0	1555.2
40°	1395.2	1409.9	1444.9	1470.6	1478.0
42.5°	1321.7	1336.4	1371.3	1391.6	1398.9
45°	1244.5	1261.0	1290.5	1312.5	1318.0
47.5°	1167.3	1180.2	1207.7	1228.0	1235.3
50°	1088.3	1101.1	1128.7	1145.2	1148.9
52.5°	1009.2	1018.4	1044.1	1058.8	1064.4
55°	930.2	939.4	959.6	976.1	974.3
57.5°	854.8	858.5	878.7	889.7	889.7
60°	770.2	773.9	790.5	797.8	799.6
62.5°	691.2	696.7	709.6	711.4	711.4
65°	614.0	615.8	623.2	626.8	626.8
67.5°	536.8	534.9	542.3	542.3	540.4
70°	455.9	459.6	461.4	457.7	455.9
72.5°	382.4	380.5	380.5	378.7	378.7
75°	310.7	307.0	308.8	301.5	299.6
77.5°	244.5	239.0	237.1	233.5	229.8
80°	176.5	176.5	174.6	171.0	169.1
82.5°	117.6	117.6	115.8	112.1	108.5
85°	66.2	66.2	64.3	58.8	57.0
87.5°	22.1	22.1	22.1	22.1	22.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)