

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: P297517

Luminaire Tested: **D3X-WO-60L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297517
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-60L92765-LD5-UNV-24-T1-W2A-4500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5458.0 lumens
Efficiency: N/A
Efficacy: 123.8 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

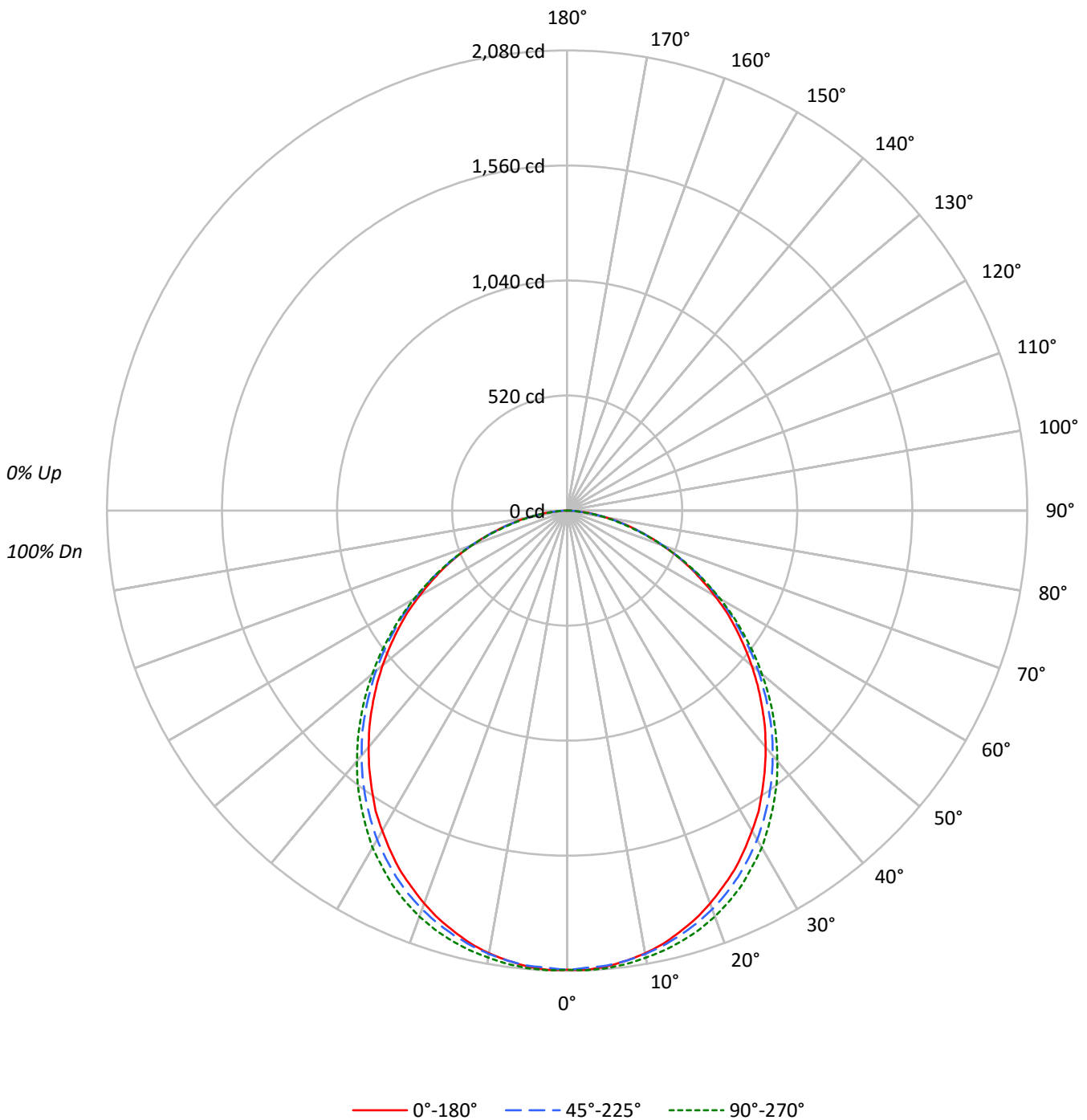
Input Watts (W): 44.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2793	2793	2793
5°	2794	2789	2804
10°	2776	2781	2803
15°	2746	2766	2804
20°	2706	2746	2796
25°	2659	2713	2773
30°	2597	2668	2734
35°	2528	2609	2670
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°	1794	1816	1794
75°	1615	1606	1558
80°	1368	1354	1311
85°	1022	994	880



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.5	3.6
10°-20°	561.4	10.3
20°-30°	841.8	15.4
30°-40°	991.3	18.2
40°-50°	991.5	18.2
50°-60°	855.5	15.7
60°-70°	615.6	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°	1599.7	29.3
0°-40°	2591.1	47.5
0°-60°	4438.0	81.3
0°-90°	5458.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5458.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2076	2076	2076	2076	2076	
5°	2068	2067	2065	2072	2076	196
15°	1971	1976	1986	2006	2013	556
25°	1791	1802	1828	1859	1868	824
35°	1539	1557	1588	1616	1625	963
45°	1245	1261	1291	1313	1318	960
55°	930	940	960	976	974	833
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°	2075.8	2075.8	2075.8	2075.8	2075.8
2.5°	2077.6	2073.9	2068.4	2075.8	2079.5
5°	2068.4	2066.6	2064.7	2072.1	2075.8
7.5°	2051.9	2053.7	2051.9	2062.9	2066.6
10°	2031.7	2033.5	2035.3	2048.2	2051.9
12.5°	2005.9	2007.8	2013.3	2029.8	2035.3
15°	1971.0	1976.5	1985.7	2005.9	2013.3
17.5°	1934.2	1941.6	1954.4	1978.3	1985.7
20°	1890.1	1899.3	1917.7	1943.4	1952.6
22.5°	1840.4	1849.6	1875.4	1902.9	1912.1
25°	1790.8	1801.8	1827.6	1858.8	1868.0
27.5°	1732.0	1746.7	1774.2	1805.5	1812.9
30°	1671.3	1684.2	1717.3	1746.7	1759.5
32.5°	1610.6	1623.5	1654.7	1684.2	1693.3
35°	1538.9	1557.3	1588.5	1616.1	1625.3
37.5°	1469.0	1485.6	1518.7	1546.3	1555.5
40°	1395.5	1410.2	1445.1	1470.9	1478.2
42.5°	1322.0	1336.7	1371.6	1391.8	1399.2
45°	1244.7	1261.3	1290.7	1312.8	1318.3
47.5°	1167.5	1180.4	1208.0	1228.2	1235.5
50°	1088.5	1101.3	1128.9	1145.4	1149.1
52.5°	1009.4	1018.6	1044.3	1059.0	1064.5
55°	930.3	939.5	959.7	976.3	974.5
57.5°	854.9	858.6	878.9	889.9	889.9
60°	770.4	774.1	790.6	798.0	799.8
62.5°	691.3	696.8	709.7	711.5	711.5
65°	614.1	615.9	623.3	627.0	627.0
67.5°	536.9	535.0	542.4	542.4	540.5
70°	456.0	459.6	461.5	457.8	456.0
72.5°	382.4	380.6	380.6	378.8	378.8
75°	310.7	307.0	308.9	301.5	299.7
77.5°	244.5	239.0	237.2	233.5	229.8
80°	176.5	176.5	174.7	171.0	169.2
82.5°	117.7	117.7	115.8	112.2	108.5
85°	66.2	66.2	64.4	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)