

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: P297510

Luminaire Tested: **D3X-WO-55L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297510  
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-55L92765-LD5-UNV-24-T1-W2A-5500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5209.0 lumens  
Efficiency: N/A  
Efficacy: 132.2 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

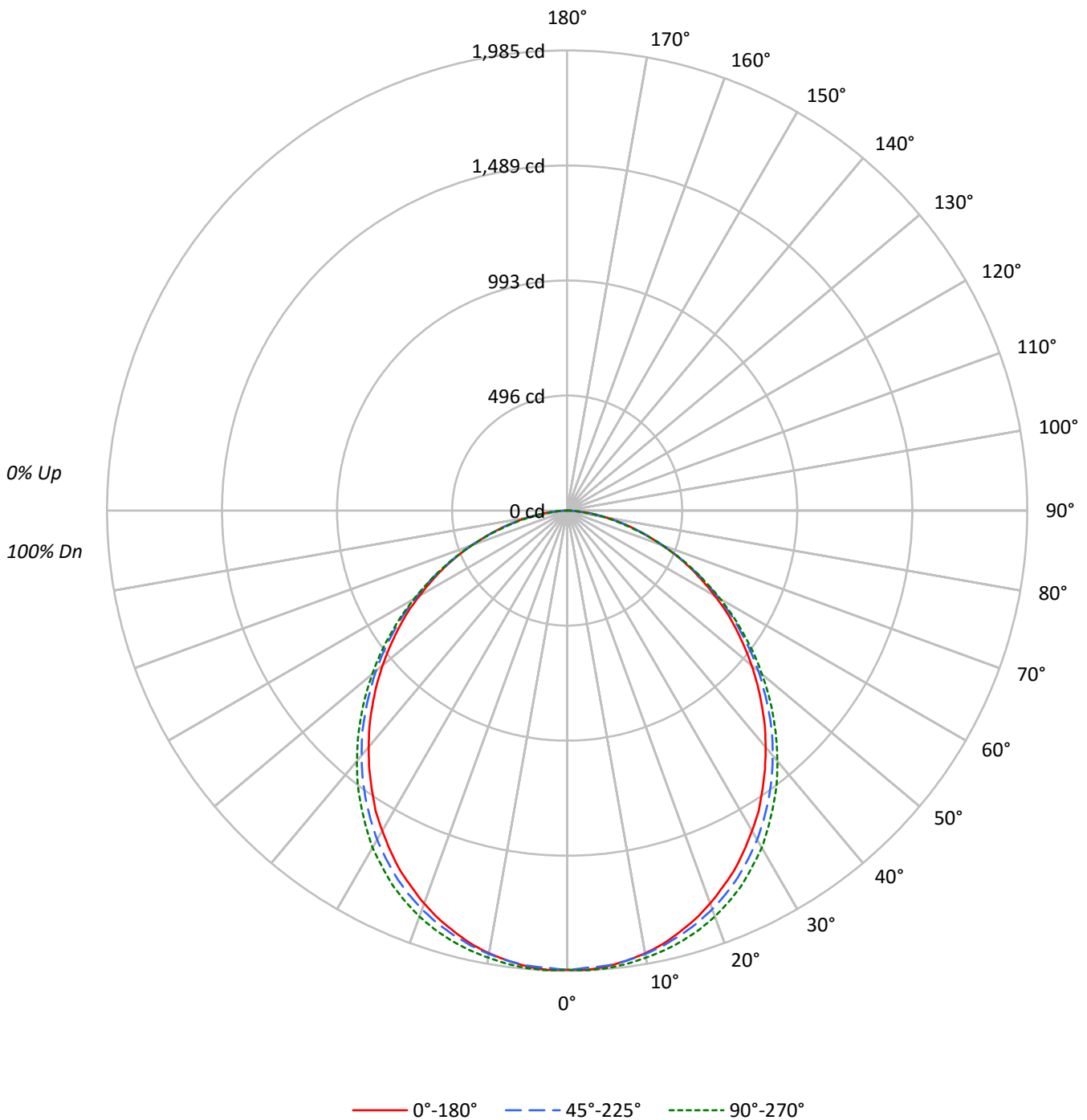
Input Watts (W): 39.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2666	2666	2666
5°	2666	2662	2676
10°	2649	2654	2676
15°	2620	2640	2676
20°	2583	2621	2668
25°	2537	2589	2647
30°	2478	2546	2609
35°	2412	2490	2548
40°	2339	2422	2478
45°	2260	2344	2394
50°	2174	2255	2296
55°	2083	2149	2182
60°	1978	2030	2054
65°	1866	1894	1905
70°	1712	1733	1712
75°	1541	1533	1487
80°	1306	1292	1251
85°	976	948	840



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	187.6	3.6
10°-20°	535.8	10.3
20°-30°	803.4	15.4
30°-40°	946.1	18.2
40°-50°	946.3	18.2
50°-60°	816.5	15.7
60°-70°	587.5	11.3
70°-80°	311.6	6.0
80°-90°	74.3	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°	1526.8	29.3
0°-40°	2472.8	47.5
0°-60°	4235.6	81.3
0°-90°	5209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5209.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1981	1981	1981	1981	1981	
5°	1974	1972	1971	1978	1981	187
15°	1881	1886	1895	1914	1921	530
25°	1709	1720	1744	1774	1783	786
35°	1469	1486	1516	1542	1551	919
45°	1188	1204	1232	1253	1258	916
55°	888	897	916	932	930	795
65°	586	588	595	598	598	580
75°	296	293	295	288	286	315
85°	63	63	61	56	54	76
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	1982.8	1979.3	1974.1	1981.1	1984.6
5°	1974.1	1972.3	1970.6	1977.6	1981.1
7.5°	1958.3	1960.0	1958.3	1968.8	1972.3
10°	1939.0	1940.7	1942.5	1954.8	1958.3
12.5°	1914.4	1916.2	1921.4	1937.2	1942.5
15°	1881.1	1886.3	1895.1	1914.4	1921.4
17.5°	1846.0	1853.0	1865.3	1888.1	1895.1
20°	1803.9	1812.6	1830.2	1854.7	1863.5
22.5°	1756.5	1765.2	1789.8	1816.1	1824.9
25°	1709.1	1719.6	1744.2	1774.0	1782.8
27.5°	1652.9	1667.0	1693.3	1723.1	1730.2
30°	1595.0	1607.3	1638.9	1667.0	1679.3
32.5°	1537.1	1549.4	1579.2	1607.3	1616.1
35°	1468.7	1486.2	1516.1	1542.4	1551.2
37.5°	1402.0	1417.8	1449.4	1475.7	1484.5
40°	1331.8	1345.9	1379.2	1403.8	1410.8
42.5°	1261.6	1275.7	1309.0	1328.3	1335.3
45°	1187.9	1203.7	1231.8	1252.9	1258.1
47.5°	1114.2	1126.5	1152.9	1172.2	1179.2
50°	1038.8	1051.1	1077.4	1093.2	1096.7
52.5°	963.3	972.1	996.7	1010.7	1016.0
55°	887.9	896.7	916.0	931.8	930.0
57.5°	815.9	819.5	838.8	849.3	849.3
60°	735.2	738.7	754.5	761.5	763.3
62.5°	659.8	665.0	677.3	679.1	679.1
65°	586.1	587.8	594.9	598.4	598.4
67.5°	512.4	510.6	517.6	517.6	515.9
70°	435.2	438.7	440.4	436.9	435.2
72.5°	365.0	363.2	363.2	361.5	361.5
75°	296.5	293.0	294.8	287.8	286.0
77.5°	233.4	228.1	226.4	222.8	219.3
80°	168.5	168.5	166.7	163.2	161.4
82.5°	112.3	112.3	110.5	107.0	103.5
85°	63.2	63.2	61.4	56.2	54.4
87.5°	21.1	21.1	21.1	21.1	21.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)