

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: P296973

Luminaire Tested: **D3X-WD-74L92765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296973  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-74L92765-LD5-UNV-24-T1-W2A-3500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5971.0 lumens  
Efficiency: N/A  
Efficacy: 108.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

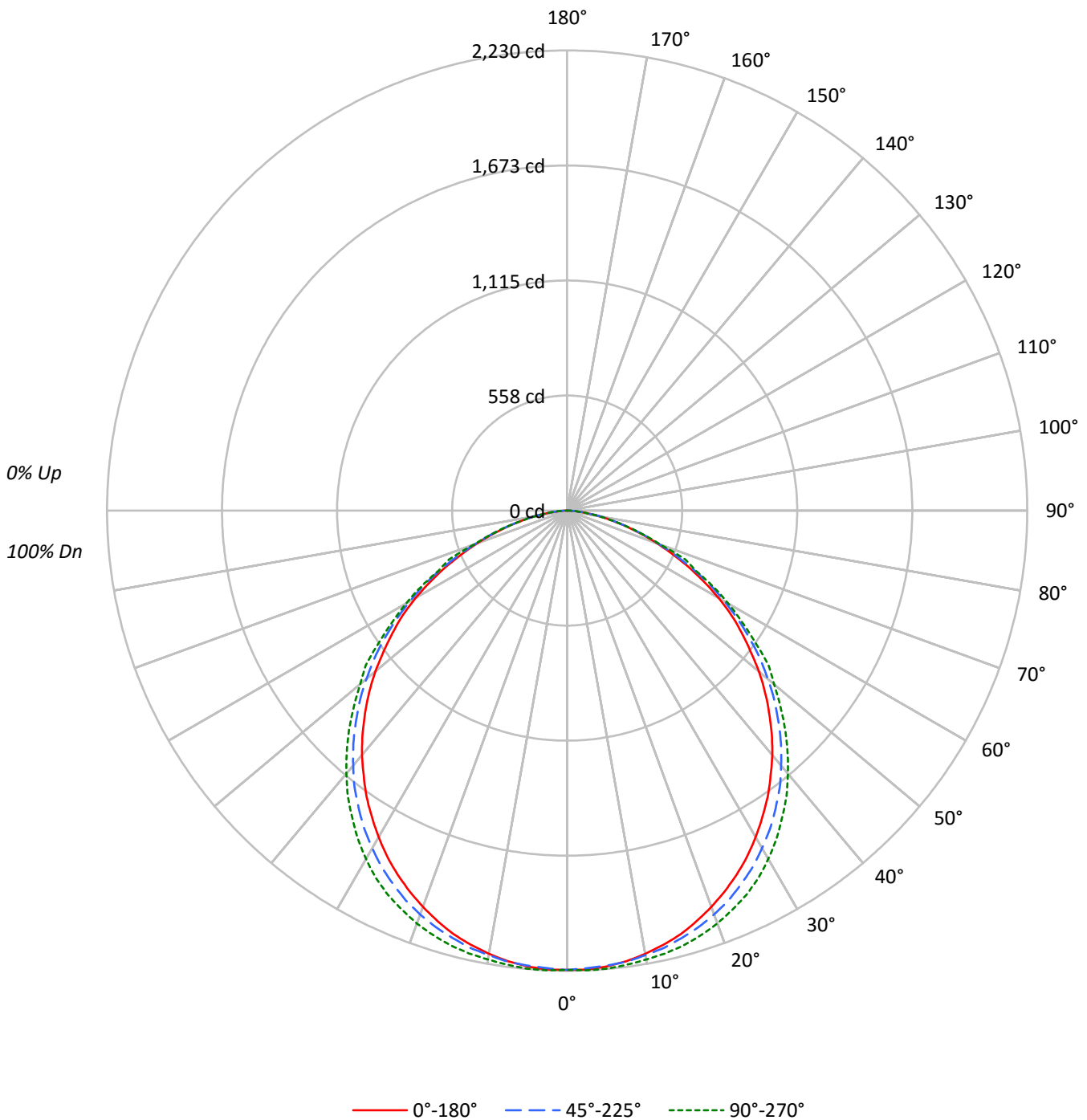
Input Watts (W): 55.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	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	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	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°	2995	2995	2995
5°	2995	2989	3009
10°	2980	2989	3018
15°	2960	2987	3038
20°	2926	2982	3049
25°	2888	2964	3050
30°	2839	2936	3029
35°	2783	2893	2984
40°	2717	2833	2924
45°	2633	2756	2841
50°	2538	2659	2740
55°	2422	2533	2608
60°	2283	2369	2427
65°	2074	2142	2183
70°	1821	1863	1888
75°	1537	1559	1570
80°	1228	1245	1212
85°	827	860	827



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.0	3.5
10°-20°	606.6	10.2
20°-30°	920.4	15.4
30°-40°	1098.9	18.4
40°-50°	1112.5	18.6
50°-60°	961.6	16.1
60°-70°	666.5	11.2
70°-80°	322.5	5.4
80°-90°	70.9	1.2
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°	1738.0	29.1
0°-40°	2836.9	47.5
0°-60°	4911.1	82.2
0°-90°	5971.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5971.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2226	2226	2226	2226	2226	
5°	2217	2215	2213	2224	2228	210
15°	2125	2130	2144	2170	2181	599
25°	1945	1958	1997	2037	2055	896
35°	1695	1710	1761	1806	1817	1059
45°	1384	1403	1448	1485	1493	1067
55°	1033	1043	1080	1125	1112	923
65°	651	658	673	683	686	645
75°	296	298	300	298	302	317
85°	54	58	56	54	54	69
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2225.9	2225.9	2225.9	2225.9	2225.9
2.5°	2225.9	2223.8	2219.5	2225.9	2230.2
5°	2217.4	2215.2	2213.1	2223.8	2228.1
7.5°	2202.4	2202.4	2204.5	2215.2	2219.5
10°	2181.0	2183.1	2187.4	2204.5	2208.8
12.5°	2155.2	2159.5	2170.2	2189.5	2198.1
15°	2125.3	2129.5	2144.5	2170.2	2181.0
17.5°	2086.7	2095.3	2116.7	2146.7	2157.4
20°	2043.8	2054.6	2082.4	2116.7	2129.5
22.5°	1996.7	2007.4	2043.8	2080.3	2093.1
25°	1945.3	1958.1	1996.7	2037.4	2054.6
27.5°	1889.6	1904.6	1947.4	1990.3	2007.4
30°	1827.5	1844.6	1889.6	1934.6	1949.6
32.5°	1761.0	1778.2	1829.6	1872.5	1887.4
35°	1694.6	1709.6	1761.0	1806.0	1816.7
37.5°	1619.6	1636.8	1692.5	1731.1	1746.1
40°	1546.8	1563.9	1613.2	1651.8	1664.6
42.5°	1467.5	1484.7	1534.0	1570.4	1581.1
45°	1384.0	1403.3	1448.3	1484.7	1493.2
47.5°	1300.4	1315.4	1362.6	1394.7	1401.1
50°	1212.6	1227.6	1270.4	1302.6	1309.0
52.5°	1120.5	1144.0	1178.3	1201.9	1229.7
55°	1032.6	1043.3	1079.8	1124.8	1111.9
57.5°	944.8	951.2	981.2	1000.5	1004.8
60°	848.4	857.0	880.5	891.2	901.9
62.5°	747.7	754.1	782.0	792.7	797.0
65°	651.3	657.7	672.7	683.4	685.6
67.5°	552.7	559.2	572.0	580.6	619.2
70°	462.8	467.0	473.5	490.6	479.9
72.5°	377.1	379.2	385.6	385.6	387.8
75°	295.7	297.8	299.9	297.8	302.1
77.5°	220.7	225.0	227.1	225.0	222.8
80°	158.5	162.8	160.7	156.4	156.4
82.5°	102.8	105.0	102.8	100.7	100.7
85°	53.6	57.8	55.7	53.6	53.6
87.5°	19.3	21.4	23.6	25.7	25.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)