

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: P297533

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297533  
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-74L92765-LD5-UNV-24-T1-W2A-3500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6360.0 lumens  
Efficiency: N/A  
Efficacy: 115.4 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

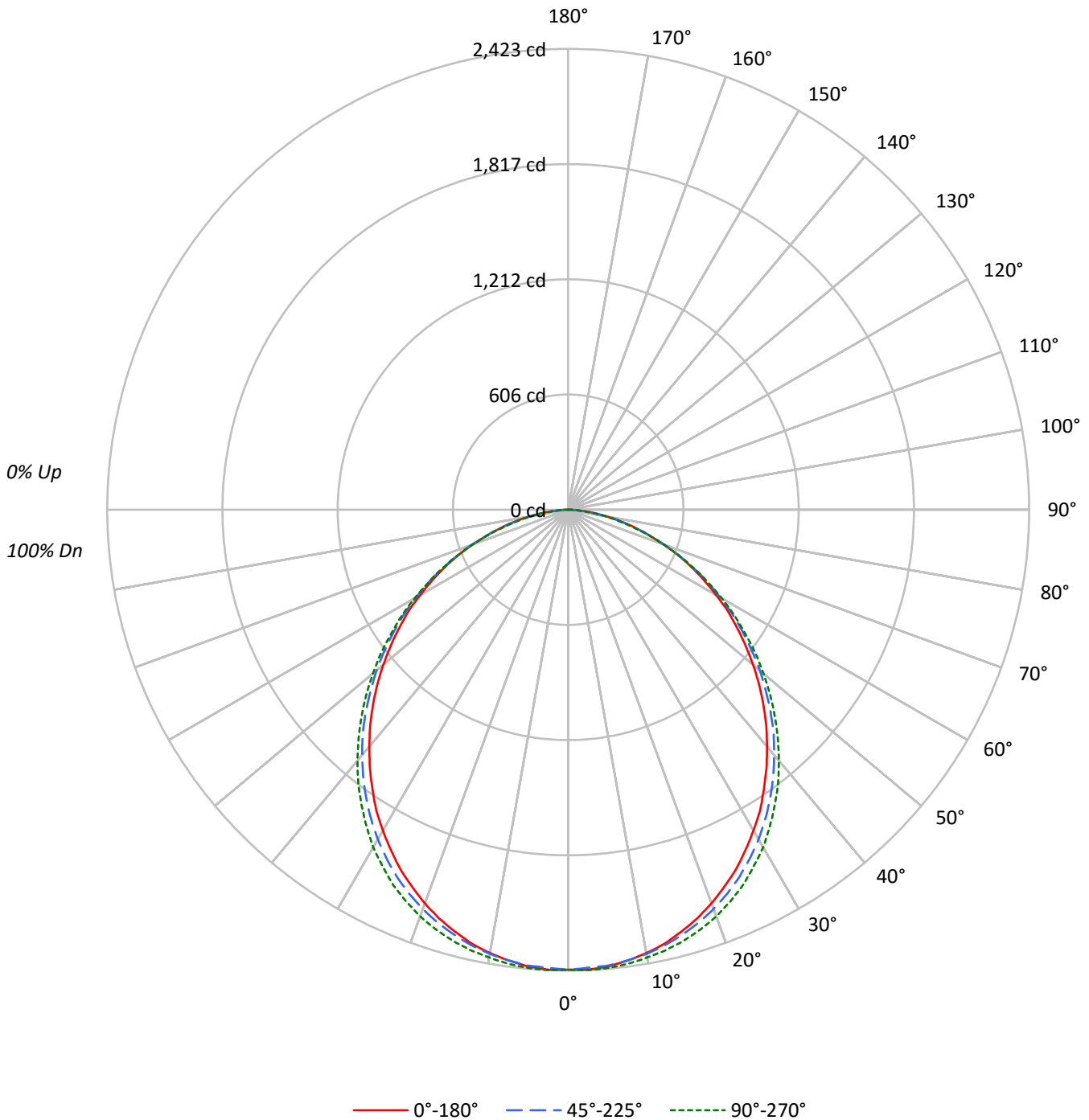
Input Watts (W): 55.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3254	3254	3254
5°	3255	3250	3267
10°	3234	3240	3267
15°	3199	3223	3268
20°	3153	3200	3258
25°	3098	3162	3231
30°	3026	3109	3185
35°	2945	3041	3111
40°	2856	2958	3025
45°	2760	2862	2923
50°	2655	2754	2803
55°	2543	2624	2664
60°	2416	2479	2508
65°	2278	2312	2326
70°	2090	2116	2090
75°	1882	1871	1815
80°	1594	1577	1527
85°	1190	1158	1025



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.0	3.6
10°-20°	654.2	10.3
20°-30°	980.9	15.4
30°-40°	1155.2	18.2
40°-50°	1155.3	18.2
50°-60°	996.9	15.7
60°-70°	717.3	11.3
70°-80°	380.5	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°	1864.1	29.3
0°-40°	3019.3	47.5
0°-60°	5171.5	81.3
0°-90°	6360.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6360.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2419	2419	2419	2419	2419	
5°	2410	2408	2406	2414	2419	229
15°	2297	2303	2314	2337	2346	648
25°	2087	2100	2130	2166	2177	960
35°	1793	1815	1851	1883	1894	1122
45°	1450	1470	1504	1530	1536	1119
55°	1084	1095	1118	1138	1136	970
65°	716	718	726	731	731	708
75°	362	358	360	351	349	385
85°	77	77	75	69	66	93
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2418.8	2418.8	2418.8	2418.8	2418.8
2.5°	2421.0	2416.7	2410.3	2418.8	2423.1
5°	2410.3	2408.1	2406.0	2414.5	2418.8
7.5°	2391.0	2393.1	2391.0	2403.8	2408.1
10°	2367.4	2369.5	2371.7	2386.7	2391.0
12.5°	2337.4	2339.6	2346.0	2365.3	2371.7
15°	2296.7	2303.1	2313.8	2337.4	2346.0
17.5°	2253.9	2262.4	2277.4	2305.3	2313.8
20°	2202.4	2213.2	2234.6	2264.6	2275.3
22.5°	2144.6	2155.3	2185.3	2217.4	2228.1
25°	2086.7	2099.6	2129.6	2166.0	2176.7
27.5°	2018.2	2035.3	2067.5	2103.9	2112.5
30°	1947.5	1962.5	2001.0	2035.3	2050.3
32.5°	1876.8	1891.8	1928.2	1962.5	1973.2
35°	1793.2	1814.7	1851.1	1883.2	1893.9
37.5°	1711.8	1731.1	1769.7	1801.8	1812.5
40°	1626.1	1643.3	1684.0	1714.0	1722.5
42.5°	1540.4	1557.6	1598.3	1621.8	1630.4
45°	1450.4	1469.7	1504.0	1529.7	1536.1
47.5°	1360.5	1375.5	1407.6	1431.2	1439.7
50°	1268.3	1283.3	1315.5	1334.7	1339.0
52.5°	1176.2	1186.9	1216.9	1234.1	1240.5
55°	1084.1	1094.8	1118.4	1137.6	1135.5
57.5°	996.2	1000.5	1024.1	1036.9	1036.9
60°	897.7	902.0	921.3	929.8	932.0
62.5°	805.6	812.0	827.0	829.1	829.1
65°	715.6	717.7	726.3	730.6	730.6
67.5°	625.6	623.5	632.0	632.0	629.9
70°	531.3	535.6	537.8	533.5	531.3
72.5°	445.6	443.5	443.5	441.3	441.3
75°	362.1	357.8	359.9	351.4	349.2
77.5°	284.9	278.5	276.4	272.1	267.8
80°	205.7	205.7	203.5	199.2	197.1
82.5°	137.1	137.1	135.0	130.7	126.4
85°	77.1	77.1	75.0	68.6	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)