

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: P296891

Luminaire Tested: **D3X-WD-74L93050-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296891  
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-74L93050-LD5-UNV-24-T1-W2A-4000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6406.0 lumens  
Efficiency: N/A  
Efficacy: 113.4 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

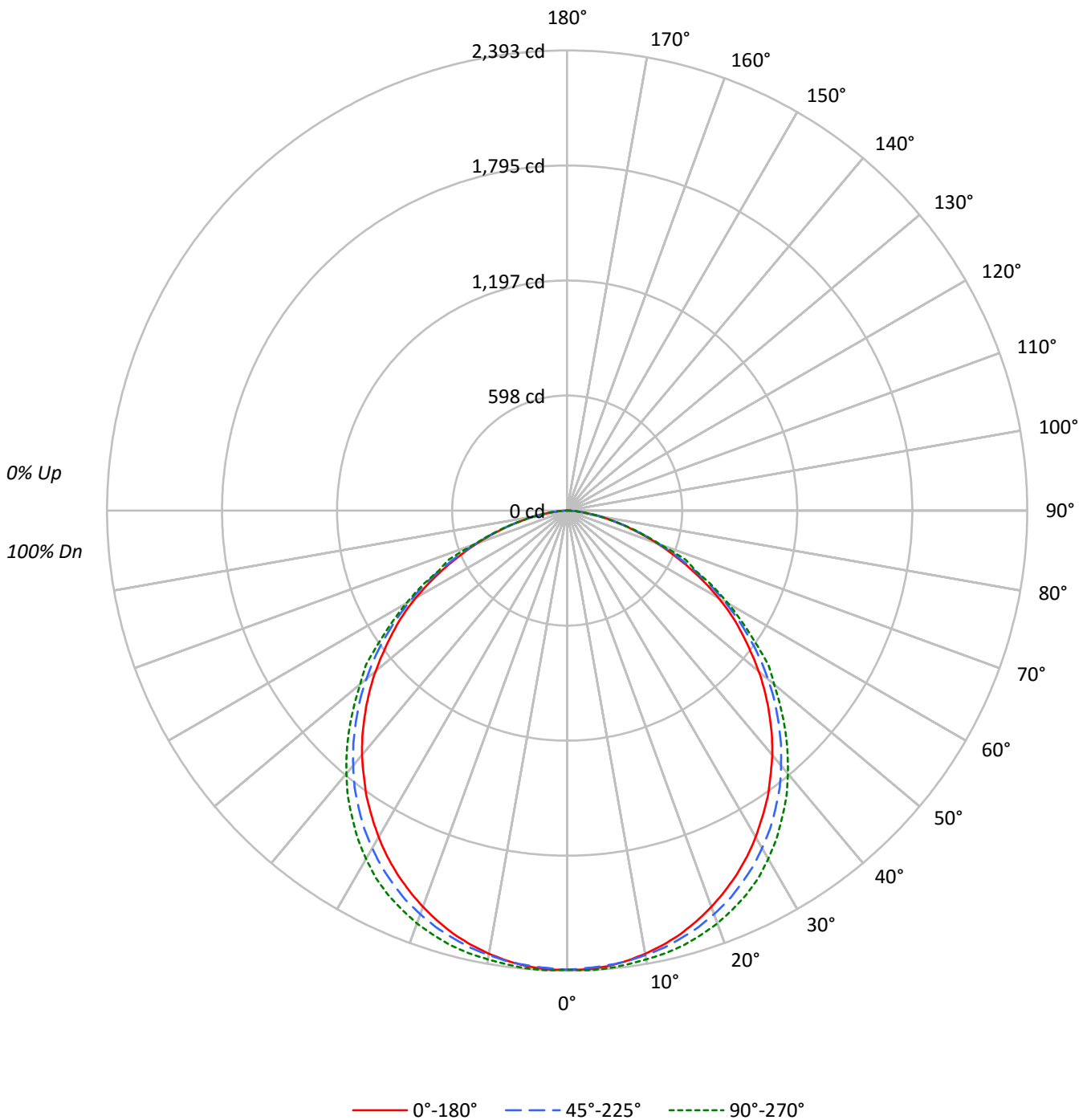
Input Watts (W): 56.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3213	3213	3213
5°	3213	3207	3229
10°	3197	3206	3238
15°	3176	3205	3259
20°	3140	3199	3271
25°	3098	3180	3272
30°	3046	3150	3250
35°	2986	3103	3201
40°	2915	3040	3137
45°	2825	2957	3048
50°	2723	2853	2940
55°	2599	2717	2798
60°	2449	2542	2604
65°	2224	2298	2342
70°	1953	1998	2026
75°	1649	1673	1685
80°	1318	1336	1300
85°	888	923	888



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	226.3	3.5
10°-20°	650.8	10.2
20°-30°	987.5	15.4
30°-40°	1179.0	18.4
40°-50°	1193.6	18.6
50°-60°	1031.7	16.1
60°-70°	715.1	11.2
70°-80°	346.0	5.4
80°-90°	76.1	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°	1864.7	29.1
0°-40°	3043.6	47.5
0°-60°	5268.9	82.2
0°-90°	6406.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6406.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2388	2388	2388	2388	2388	
5°	2379	2377	2374	2386	2390	226
15°	2280	2285	2301	2328	2340	643
25°	2087	2101	2142	2186	2204	961
35°	1818	1834	1889	1938	1949	1136
45°	1485	1506	1554	1593	1602	1145
55°	1108	1119	1158	1207	1193	990
65°	699	706	722	733	736	692
75°	317	320	322	320	324	340
85°	58	62	60	58	58	74
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2388.1	2388.1	2388.1	2388.1	2388.1
2.5°	2388.1	2385.8	2381.2	2388.1	2392.7
5°	2378.9	2376.6	2374.3	2385.8	2390.4
7.5°	2362.8	2362.8	2365.1	2376.6	2381.2
10°	2339.8	2342.1	2346.7	2365.1	2369.7
12.5°	2312.3	2316.9	2328.4	2349.0	2358.2
15°	2280.1	2284.7	2300.8	2328.4	2339.8
17.5°	2238.7	2247.9	2270.9	2303.1	2314.6
20°	2192.7	2204.2	2234.1	2270.9	2284.7
22.5°	2142.2	2153.7	2192.7	2231.8	2245.6
25°	2087.0	2100.8	2142.2	2185.8	2204.2
27.5°	2027.3	2043.3	2089.3	2135.3	2153.7
30°	1960.6	1979.0	2027.3	2075.5	2091.6
32.5°	1889.3	1907.7	1962.9	2008.9	2025.0
35°	1818.1	1834.2	1889.3	1937.6	1949.1
37.5°	1737.6	1756.0	1815.8	1857.2	1873.3
40°	1659.5	1677.9	1730.7	1772.1	1785.9
42.5°	1574.5	1592.8	1645.7	1684.8	1696.3
45°	1484.8	1505.5	1553.8	1592.8	1602.0
47.5°	1395.2	1411.3	1461.8	1496.3	1503.2
50°	1300.9	1317.0	1363.0	1397.5	1404.4
52.5°	1202.1	1227.4	1264.2	1289.4	1319.3
55°	1107.9	1119.4	1158.4	1206.7	1192.9
57.5°	1013.6	1020.5	1052.7	1073.4	1078.0
60°	910.2	919.4	944.7	956.2	967.7
62.5°	802.2	809.1	838.9	850.4	855.0
65°	698.7	705.6	721.7	733.2	735.5
67.5°	593.0	599.9	613.7	622.9	664.3
70°	496.5	501.1	508.0	526.3	514.9
72.5°	404.5	406.8	413.7	413.7	416.0
75°	317.2	319.5	321.8	319.5	324.1
77.5°	236.7	241.3	243.6	241.3	239.0
80°	170.1	174.7	172.4	167.8	167.8
82.5°	110.3	112.6	110.3	108.0	108.0
85°	57.5	62.1	59.8	57.5	57.5
87.5°	20.7	23.0	25.3	27.6	27.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)