

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: P297446

Luminaire Tested: **D3X-WO-67L93050-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297446  
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-67L93050-LD5-UNV-24-T1-W2A-4000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6148.0 lumens  
Efficiency: N/A  
Efficacy: 123.2 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

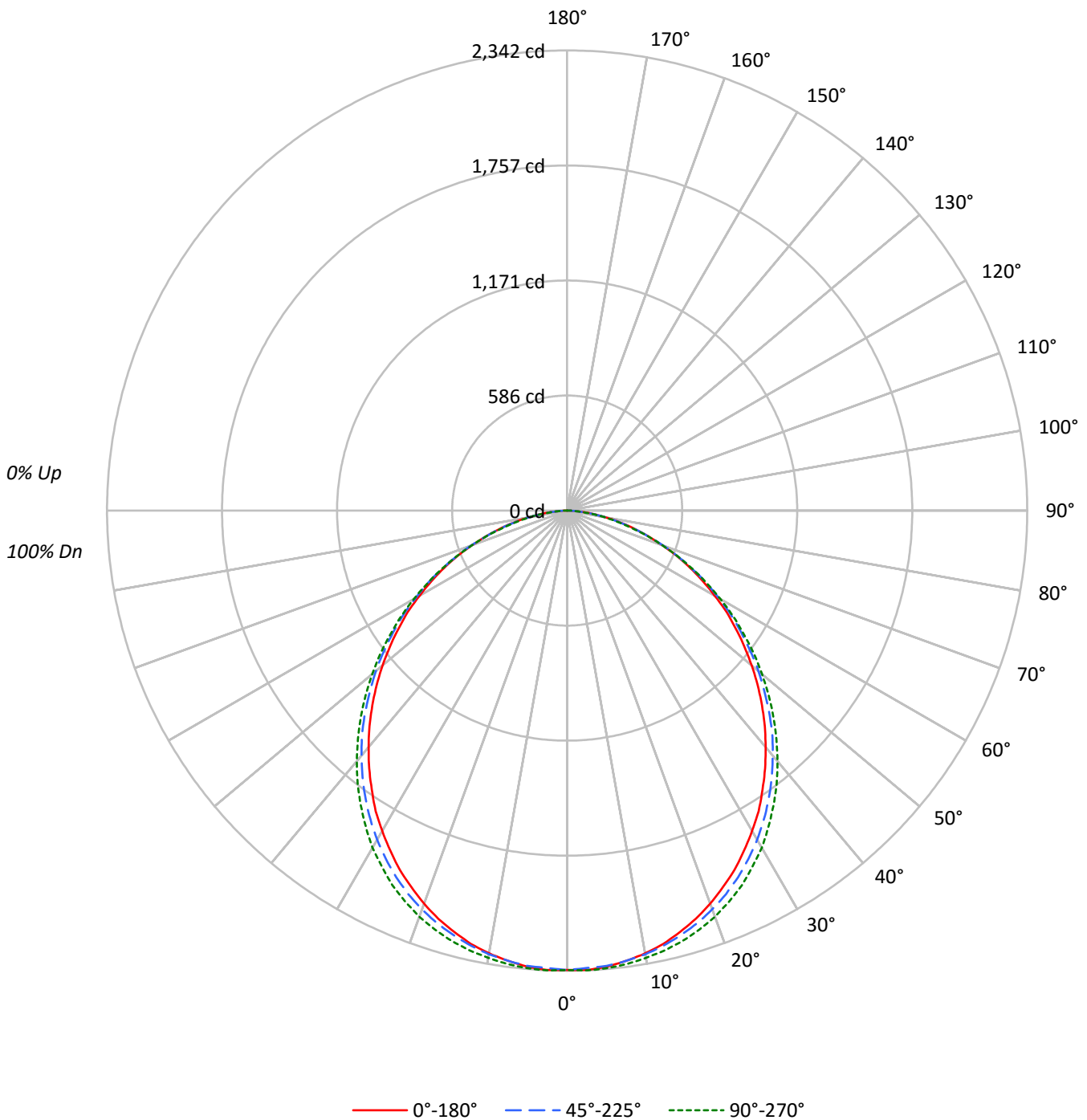
Input Watts (W): 49.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3146	3146	3146
5°	3147	3141	3158
10°	3127	3132	3158
15°	3092	3116	3159
20°	3048	3093	3149
25°	2995	3056	3124
30°	2925	3005	3079
35°	2847	2939	3007
40°	2761	2859	2925
45°	2668	2766	2825
50°	2566	2662	2709
55°	2458	2536	2575
60°	2335	2396	2424
65°	2202	2235	2248
70°	2020	2045	2020
75°	1820	1809	1755
80°	1540	1524	1476
85°	1152	1119	991



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.4	3.6
10°-20°	632.4	10.3
20°-30°	948.2	15.4
30°-40°	1116.6	18.2
40°-50°	1116.8	18.2
50°-60°	963.6	15.7
60°-70°	693.4	11.3
70°-80°	367.8	6.0
80°-90°	87.7	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°	1802.0	29.3
0°-40°	2918.6	47.5
0°-60°	4999.1	81.3
0°-90°	6148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6148.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2338	2338	2338	2338	2338	
5°	2330	2328	2326	2334	2338	221
15°	2220	2226	2237	2260	2268	626
25°	2017	2030	2059	2094	2104	928
35°	1734	1754	1789	1820	1831	1084
45°	1402	1421	1454	1479	1485	1082
55°	1048	1058	1081	1100	1098	938
65°	692	694	702	706	706	684
75°	350	346	348	340	338	372
85°	75	75	72	66	64	90
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2338.2	2338.2	2338.2	2338.2	2338.2
2.5°	2340.3	2336.1	2329.9	2338.2	2342.3
5°	2329.9	2327.8	2325.8	2334.1	2338.2
7.5°	2311.3	2313.3	2311.3	2323.7	2327.8
10°	2288.5	2290.6	2292.6	2307.1	2311.3
12.5°	2259.5	2261.6	2267.8	2286.4	2292.6
15°	2220.1	2226.4	2236.7	2259.5	2267.8
17.5°	2178.7	2187.0	2201.5	2228.4	2236.7
20°	2129.0	2139.4	2160.1	2189.1	2199.4
22.5°	2073.1	2083.5	2112.5	2143.5	2153.9
25°	2017.2	2029.6	2058.6	2093.8	2104.2
27.5°	1950.9	1967.5	1998.5	2033.8	2042.0
30°	1882.6	1897.1	1934.3	1967.5	1982.0
32.5°	1814.2	1828.7	1863.9	1897.1	1907.4
35°	1733.5	1754.2	1789.4	1820.4	1830.8
37.5°	1654.8	1673.4	1710.7	1741.7	1752.1
40°	1571.9	1588.5	1627.8	1656.8	1665.1
42.5°	1489.1	1505.6	1545.0	1567.8	1576.1
45°	1402.1	1420.7	1453.9	1478.7	1484.9
47.5°	1315.1	1329.6	1360.7	1383.5	1391.7
50°	1226.1	1240.5	1271.6	1290.3	1294.4
52.5°	1137.0	1147.4	1176.3	1192.9	1199.1
55°	1047.9	1058.3	1081.1	1099.7	1097.6
57.5°	963.0	967.2	990.0	1002.4	1002.4
60°	867.8	871.9	890.5	898.8	900.9
62.5°	778.7	784.9	799.4	801.5	801.5
65°	691.7	693.8	702.1	706.2	706.2
67.5°	604.7	602.7	611.0	611.0	608.9
70°	513.6	517.8	519.8	515.7	513.6
72.5°	430.8	428.7	428.7	426.6	426.6
75°	350.0	345.9	347.9	339.6	337.6
77.5°	275.4	269.2	267.2	263.0	258.9
80°	198.8	198.8	196.7	192.6	190.5
82.5°	132.5	132.5	130.5	126.3	122.2
85°	74.6	74.6	72.5	66.3	64.2
87.5°	24.9	24.9	24.9	24.9	24.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)