

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: P297171

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297171  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-74L93050-LD5-UNV-24-T1-W2A-4000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6418.0 lumens  
Efficiency: N/A  
Efficacy: 113.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

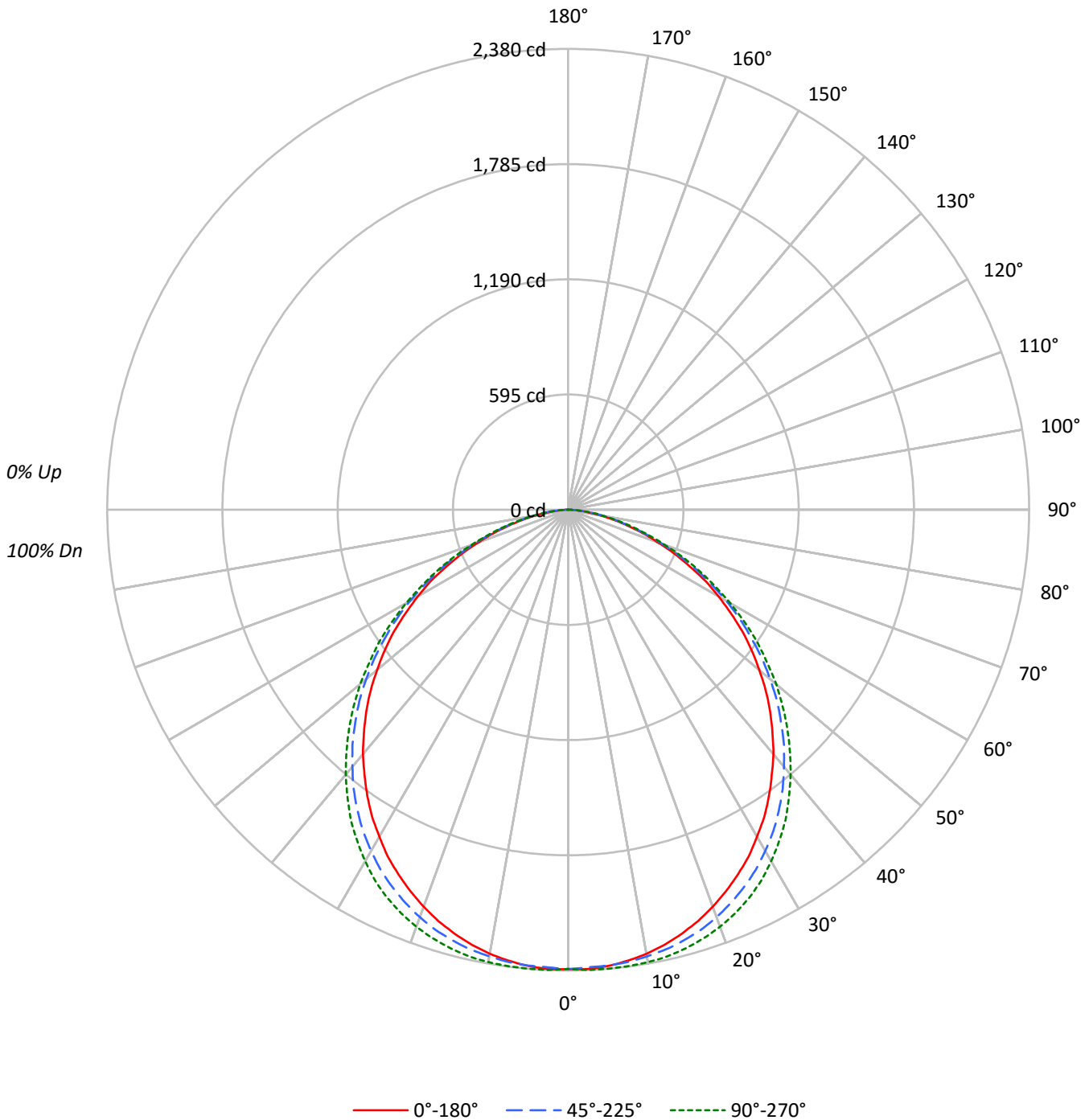
Input Watts (W): 56.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	47	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	27	38	32	27	37	31	27	26

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

	0°	45°	90°
0°	3192	3192	3192
5°	3195	3192	3214
10°	3182	3201	3242
15°	3158	3209	3266
20°	3124	3206	3282
25°	3082	3191	3283
30°	3029	3161	3258
35°	2968	3115	3214
40°	2895	3045	3137
45°	2804	2957	3045
50°	2695	2849	2936
55°	2578	2707	2794
60°	2413	2537	2598
65°	2203	2320	2379
70°	1936	2035	2089
75°	1638	1721	1781
80°	1300	1425	1461
85°	888	1065	1030



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.4	3.5
10°-20°	650.8	10.1
20°-30°	989.1	15.4
30°-40°	1180.2	18.4
40°-50°	1192.0	18.6
50°-60°	1027.0	16.0
60°-70°	715.9	11.2
70°-80°	354.8	5.5
80°-90°	82.7	1.3
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°	1865.4	29.1
0°-40°	3045.6	47.5
0°-60°	5264.6	82.0
0°-90°	6418.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6418.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2373	2373	2373	2373	2373	
5°	2366	2363	2363	2375	2380	225
15°	2267	2278	2304	2334	2345	639
25°	2076	2104	2150	2193	2212	956
35°	1807	1837	1897	1940	1956	1129
45°	1474	1506	1554	1591	1600	1136
55°	1099	1122	1154	1182	1191	979
65°	692	706	729	736	747	687
75°	315	320	331	338	343	340
85°	58	69	69	64	67	73
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2372.6	2372.6	2372.6	2372.6	2372.6
2.5°	2374.9	2370.3	2365.7	2374.9	2379.5
5°	2365.7	2363.4	2363.4	2374.9	2379.5
7.5°	2349.6	2349.6	2356.5	2372.6	2377.2
10°	2328.9	2333.5	2342.7	2365.7	2372.6
12.5°	2301.3	2310.5	2326.6	2354.2	2363.4
15°	2266.8	2278.3	2303.6	2333.5	2345.0
17.5°	2227.8	2243.9	2276.0	2310.5	2322.0
20°	2181.8	2202.5	2239.3	2278.3	2292.1
22.5°	2131.2	2156.5	2197.9	2239.3	2255.3
25°	2076.0	2103.6	2149.6	2193.3	2211.7
27.5°	2018.5	2046.1	2096.7	2140.4	2158.8
30°	1949.6	1981.8	2034.6	2080.6	2096.7
32.5°	1882.9	1915.1	1970.3	2011.7	2027.7
35°	1807.0	1836.9	1896.7	1940.4	1956.5
37.5°	1726.6	1761.1	1818.5	1857.6	1871.4
40°	1648.4	1678.3	1733.5	1772.6	1786.3
42.5°	1561.0	1593.2	1648.4	1682.9	1694.4
45°	1473.7	1505.9	1554.1	1590.9	1600.1
47.5°	1384.0	1413.9	1462.2	1492.1	1501.3
50°	1287.5	1315.0	1361.0	1390.9	1402.4
52.5°	1195.5	1220.8	1259.9	1285.2	1292.1
55°	1098.9	1121.9	1154.1	1181.7	1190.9
57.5°	995.5	1020.8	1050.7	1073.6	1080.5
60°	896.6	917.3	942.6	963.3	965.6
62.5°	800.1	809.3	832.2	850.6	852.9
65°	692.0	705.8	728.8	735.7	747.2
67.5°	593.1	602.3	620.7	629.9	639.1
70°	492.0	498.9	517.3	528.8	531.1
72.5°	404.6	406.9	420.7	429.9	432.2
75°	315.0	319.6	331.1	338.0	342.6
77.5°	239.1	243.7	252.9	257.5	257.5
80°	167.8	174.7	183.9	186.2	188.5
82.5°	108.1	117.3	124.1	126.4	121.8
85°	57.5	69.0	69.0	64.4	66.7
87.5°	20.7	25.3	27.6	29.9	29.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)