

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: P297300

Luminaire Tested: **D3X-WO-60L83050-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297300  
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-60L83050-LD5-UNV-24-T1-W2A-3500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6024.0 lumens  
Efficiency: N/A  
Efficacy: 139.4 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

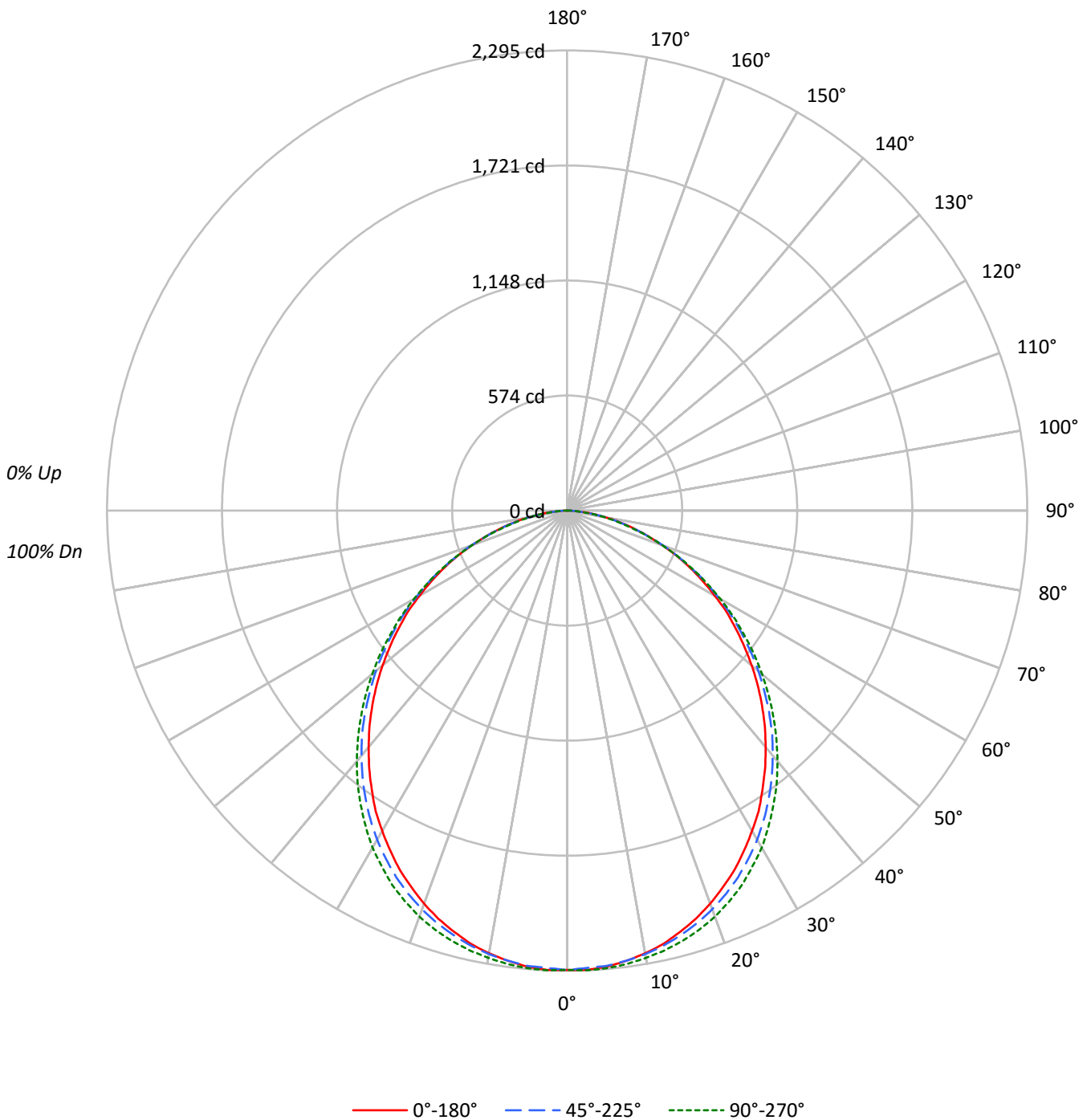
Input Watts (W): 43.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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°	3083	3083	3083
5°	3083	3078	3094
10°	3064	3069	3094
15°	3030	3053	3095
20°	2987	3030	3086
25°	2934	2995	3061
30°	2866	2945	3017
35°	2790	2880	2947
40°	2705	2801	2866
45°	2614	2711	2769
50°	2515	2608	2655
55°	2409	2485	2523
60°	2288	2348	2375
65°	2158	2190	2203
70°	1980	2004	1980
75°	1783	1772	1720
80°	1509	1494	1447
85°	1129	1096	971



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	216.9	3.6
10°-20°	619.6	10.3
20°-30°	929.1	15.4
30°-40°	1094.1	18.2
40°-50°	1094.3	18.2
50°-60°	944.2	15.7
60°-70°	679.4	11.3
70°-80°	360.4	6.0
80°-90°	86.0	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°	1765.6	29.3
0°-40°	2859.8	47.5
0°-60°	4898.3	81.3
0°-90°	6024.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6024.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2291	2291	2291	2291	2291	
5°	2283	2281	2279	2287	2291	217
15°	2175	2182	2192	2214	2222	613
25°	1976	1989	2017	2052	2062	909
35°	1698	1719	1753	1784	1794	1063
45°	1374	1392	1424	1449	1455	1060
55°	1027	1037	1059	1078	1076	919
65°	678	680	688	692	692	670
75°	343	339	341	333	331	365
85°	73	73	71	65	63	88
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2291.0	2291.0	2291.0	2291.0	2291.0
2.5°	2293.1	2289.0	2282.9	2291.0	2295.1
5°	2282.9	2280.9	2278.9	2287.0	2291.0
7.5°	2264.7	2266.7	2264.7	2276.8	2280.9
10°	2242.3	2244.4	2246.4	2260.6	2264.7
12.5°	2213.9	2216.0	2222.0	2240.3	2246.4
15°	2175.4	2181.5	2191.6	2213.9	2222.0
17.5°	2134.8	2142.9	2157.1	2183.5	2191.6
20°	2086.1	2096.2	2116.5	2144.9	2155.1
22.5°	2031.3	2041.4	2069.8	2100.3	2110.4
25°	1976.5	1988.7	2017.1	2051.6	2061.7
27.5°	1911.6	1927.8	1958.2	1992.7	2000.9
30°	1844.6	1858.8	1895.3	1927.8	1942.0
32.5°	1777.6	1791.8	1826.3	1858.8	1869.0
35°	1698.5	1718.8	1753.3	1783.7	1793.9
37.5°	1621.4	1639.6	1676.2	1706.6	1716.8
40°	1540.2	1556.4	1595.0	1623.4	1631.5
42.5°	1459.0	1475.3	1513.8	1536.2	1544.3
45°	1373.8	1392.1	1424.5	1448.9	1455.0
47.5°	1288.6	1302.8	1333.2	1355.5	1363.7
50°	1201.3	1215.5	1246.0	1264.2	1268.3
52.5°	1114.1	1124.2	1152.6	1168.9	1174.9
55°	1026.8	1037.0	1059.3	1077.5	1075.5
57.5°	943.6	947.7	970.0	982.2	982.2
60°	850.3	854.3	872.6	880.7	882.7
62.5°	763.0	769.1	783.3	785.3	785.3
65°	677.8	679.8	687.9	692.0	692.0
67.5°	592.5	590.5	598.6	598.6	596.6
70°	503.3	507.3	509.3	505.3	503.3
72.5°	422.1	420.1	420.1	418.0	418.0
75°	342.9	338.9	340.9	332.8	330.8
77.5°	269.9	263.8	261.8	257.7	253.7
80°	194.8	194.8	192.8	188.7	186.7
82.5°	129.9	129.9	127.8	123.8	119.7
85°	73.1	73.1	71.0	64.9	62.9
87.5°	24.4	24.4	24.4	24.4	24.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)