

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: P297521

Luminaire Tested: **D3X-WO-60L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297521  
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-60L92765-LD5-UNV-24-T1-W2A-6500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5717.0 lumens  
Efficiency: N/A  
Efficacy: 126.2 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

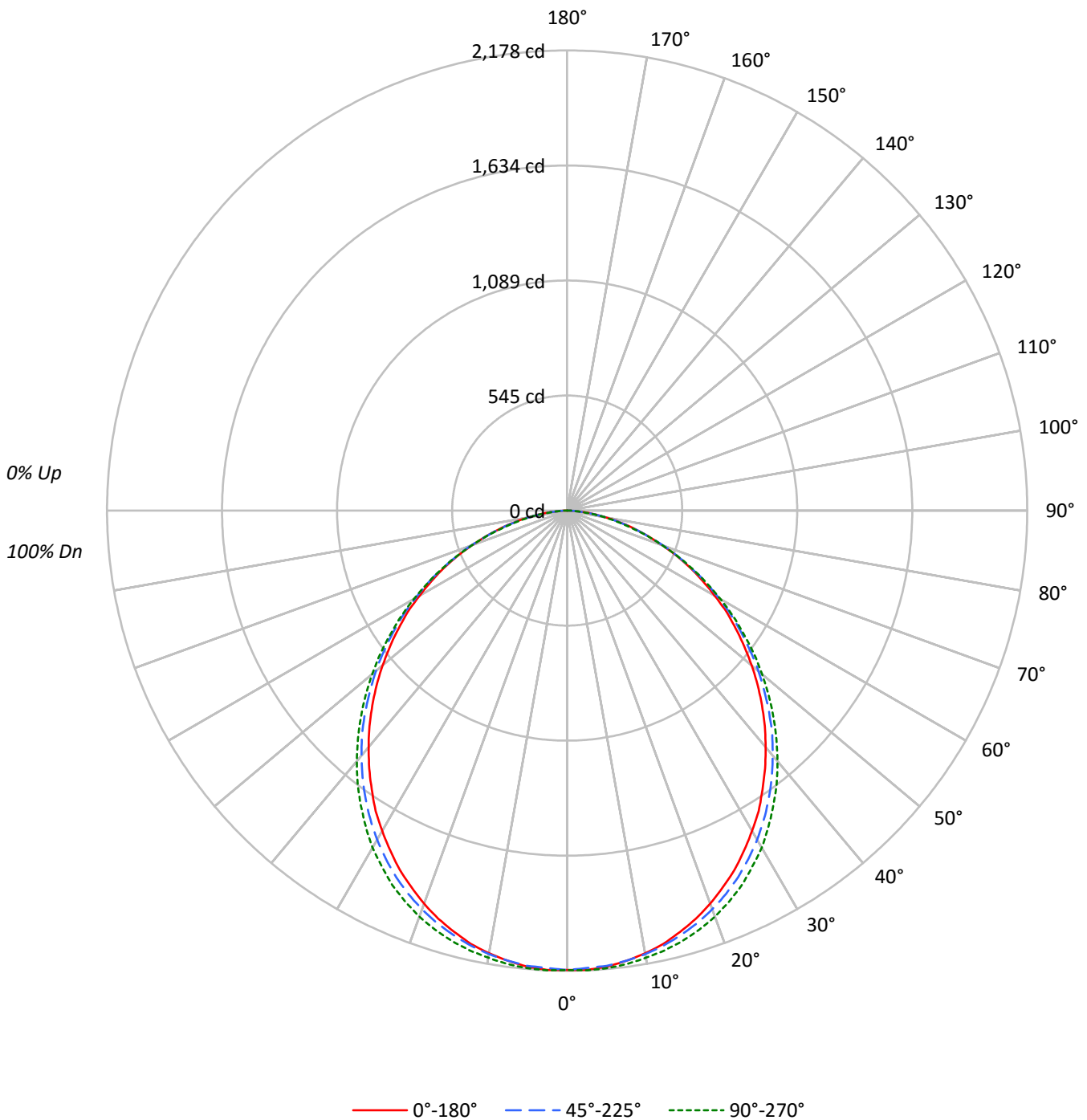
Input Watts (W): 45.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2925	2925	2925
5°	2926	2921	2937
10°	2908	2913	2936
15°	2876	2897	2937
20°	2835	2876	2928
25°	2785	2842	2905
30°	2720	2795	2863
35°	2648	2733	2796
40°	2567	2659	2720
45°	2481	2572	2627
50°	2386	2475	2520
55°	2286	2358	2394
60°	2171	2228	2254
65°	2048	2079	2091
70°	1879	1902	1879
75°	1692	1682	1632
80°	1433	1418	1373
85°	1070	1041	922



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.9	3.6
10°-20°	588.1	10.3
20°-30°	881.7	15.4
30°-40°	1038.4	18.2
40°-50°	1038.5	18.2
50°-60°	896.1	15.7
60°-70°	644.8	11.3
70°-80°	342.0	6.0
80°-90°	81.6	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°	1675.7	29.3
0°-40°	2714.0	47.5
0°-60°	4648.6	81.3
0°-90°	5717.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5717.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2174	2174	2174	2174	2174	
5°	2167	2165	2163	2170	2174	206
15°	2064	2070	2080	2101	2109	582
25°	1876	1887	1914	1947	1957	863
35°	1612	1631	1664	1693	1702	1008
45°	1304	1321	1352	1375	1381	1006
55°	974	984	1005	1023	1021	872
65°	643	645	653	657	657	636
75°	326	322	324	316	314	346
85°	69	69	67	62	60	84
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2174.3	2174.3	2174.3	2174.3	2174.3
2.5°	2176.2	2172.4	2166.6	2174.3	2178.1
5°	2166.6	2164.7	2162.7	2170.4	2174.3
7.5°	2149.2	2151.2	2149.2	2160.8	2164.7
10°	2128.1	2130.0	2131.9	2145.4	2149.2
12.5°	2101.1	2103.0	2108.8	2126.1	2131.9
15°	2064.5	2070.3	2079.9	2101.1	2108.8
17.5°	2026.0	2033.7	2047.2	2072.2	2079.9
20°	1979.8	1989.4	2008.7	2035.6	2045.2
22.5°	1927.8	1937.4	1964.4	1993.3	2002.9
25°	1875.8	1887.3	1914.3	1947.0	1956.7
27.5°	1814.1	1829.6	1858.4	1891.2	1898.9
30°	1750.6	1764.1	1798.7	1829.6	1843.0
32.5°	1687.0	1700.5	1733.3	1764.1	1773.7
35°	1611.9	1631.2	1663.9	1692.8	1702.4
37.5°	1538.8	1556.1	1590.7	1619.6	1629.3
40°	1461.7	1477.1	1513.7	1540.7	1548.4
42.5°	1384.7	1400.1	1436.7	1457.9	1465.6
45°	1303.8	1321.1	1351.9	1375.1	1380.8
47.5°	1222.9	1236.4	1265.3	1286.5	1294.2
50°	1140.1	1153.6	1182.5	1199.8	1203.7
52.5°	1057.3	1066.9	1093.9	1109.3	1115.1
55°	974.5	984.1	1005.3	1022.6	1020.7
57.5°	895.5	899.4	920.6	932.1	932.1
60°	806.9	810.8	828.1	835.8	837.7
62.5°	724.1	729.9	743.4	745.3	745.3
65°	643.2	645.2	652.9	656.7	656.7
67.5°	562.3	560.4	568.1	568.1	566.2
70°	477.6	481.5	483.4	479.5	477.6
72.5°	400.6	398.7	398.7	396.7	396.7
75°	325.5	321.6	323.5	315.8	313.9
77.5°	256.1	250.4	248.4	244.6	240.7
80°	184.9	184.9	183.0	179.1	177.2
82.5°	123.3	123.3	121.3	117.5	113.6
85°	69.3	69.3	67.4	61.6	59.7
87.5°	23.1	23.1	23.1	23.1	23.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)