

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: P296955

Luminaire Tested: **D3X-WD-60L92765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296955  
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-60L92765-LD5-UNV-24-T1-W2A-3500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4838.0 lumens  
Efficiency: N/A  
Efficacy: 111.7 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

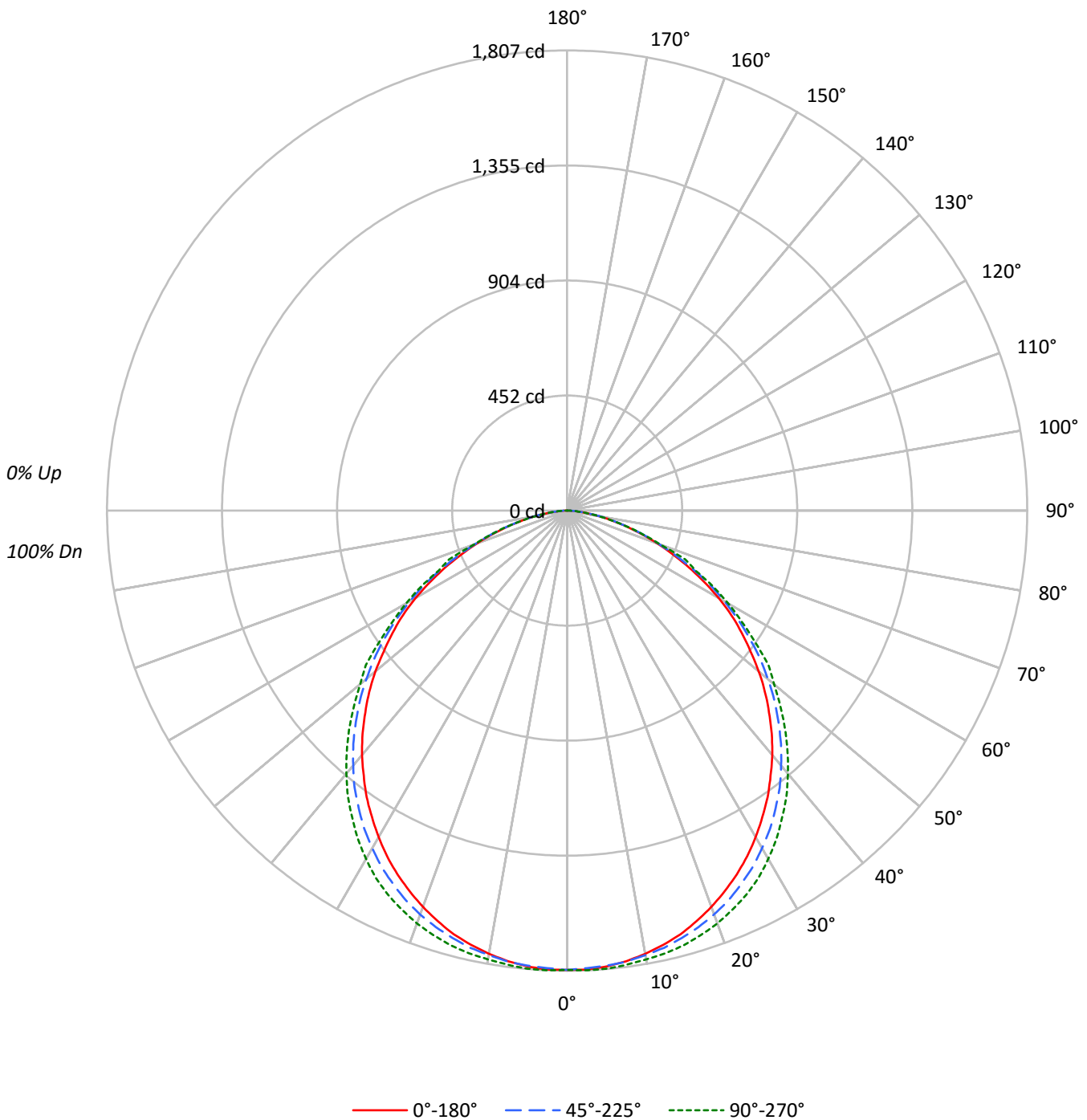
Input Watts (W): 43.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2427	2427	2427
5°	2427	2422	2438
10°	2414	2421	2445
15°	2399	2420	2461
20°	2371	2416	2471
25°	2340	2402	2471
30°	2300	2379	2454
35°	2255	2344	2418
40°	2201	2296	2369
45°	2134	2233	2302
50°	2057	2155	2220
55°	1963	2052	2113
60°	1850	1920	1967
65°	1680	1735	1769
70°	1475	1509	1530
75°	1246	1263	1273
80°	996	1009	982
85°	670	696	670



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.9	3.5
10°-20°	491.5	10.2
20°-30°	745.8	15.4
30°-40°	890.4	18.4
40°-50°	901.4	18.6
50°-60°	779.2	16.1
60°-70°	540.0	11.2
70°-80°	261.3	5.4
80°-90°	57.4	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°	1408.2	29.1
0°-40°	2298.6	47.5
0°-60°	3979.2	82.2
0°-90°	4838.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4838.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1804	1804	1804	1804	1804	
5°	1797	1795	1793	1802	1805	171
15°	1722	1726	1738	1758	1767	485
25°	1576	1587	1618	1651	1665	726
35°	1373	1385	1427	1463	1472	858
45°	1121	1137	1173	1203	1210	865
55°	837	845	875	911	901	748
65°	528	533	545	554	556	522
75°	240	241	243	241	245	257
85°	43	47	45	43	43	56
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1803.6	1803.6	1803.6	1803.6	1803.6
2.5°	1803.6	1801.8	1798.4	1803.6	1807.0
5°	1796.6	1794.9	1793.2	1801.8	1805.3
7.5°	1784.5	1784.5	1786.2	1794.9	1798.4
10°	1767.1	1768.9	1772.3	1786.2	1789.7
12.5°	1746.3	1749.8	1758.4	1774.1	1781.0
15°	1722.0	1725.5	1737.6	1758.4	1767.1
17.5°	1690.7	1697.7	1715.0	1739.3	1748.0
20°	1656.0	1664.7	1687.3	1715.0	1725.5
22.5°	1617.8	1626.5	1656.0	1685.5	1695.9
25°	1576.2	1586.6	1617.8	1650.8	1664.7
27.5°	1531.0	1543.2	1577.9	1612.6	1626.5
30°	1480.7	1494.6	1531.0	1567.5	1579.6
32.5°	1426.9	1440.8	1482.4	1517.2	1529.3
35°	1373.1	1385.2	1426.9	1463.3	1472.0
37.5°	1312.3	1326.2	1371.3	1402.6	1414.7
40°	1253.3	1267.2	1307.1	1338.4	1348.8
42.5°	1189.1	1203.0	1242.9	1272.4	1281.1
45°	1121.4	1137.0	1173.4	1203.0	1209.9
47.5°	1053.7	1065.8	1104.0	1130.1	1135.3
50°	982.5	994.7	1029.4	1055.4	1060.6
52.5°	907.9	927.0	954.7	973.8	996.4
55°	836.7	845.4	874.9	911.3	900.9
57.5°	765.5	770.7	795.0	810.7	814.1
60°	687.4	694.3	713.4	722.1	730.8
62.5°	605.8	611.0	633.6	642.3	645.7
65°	527.7	532.9	545.1	553.7	555.5
67.5°	447.9	453.1	463.5	470.4	501.7
70°	374.9	378.4	383.6	397.5	388.8
72.5°	305.5	307.2	312.5	312.5	314.2
75°	239.6	241.3	243.0	241.3	244.8
77.5°	178.8	182.3	184.0	182.3	180.5
80°	128.5	131.9	130.2	126.7	126.7
82.5°	83.3	85.1	83.3	81.6	81.6
85°	43.4	46.9	45.1	43.4	43.4
87.5°	15.6	17.4	19.1	20.8	20.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)