

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: P297518

Luminaire Tested: **D3X-WO-60L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297518
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-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5569.0 lumens
Efficiency: N/A
Efficacy: 125.7 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

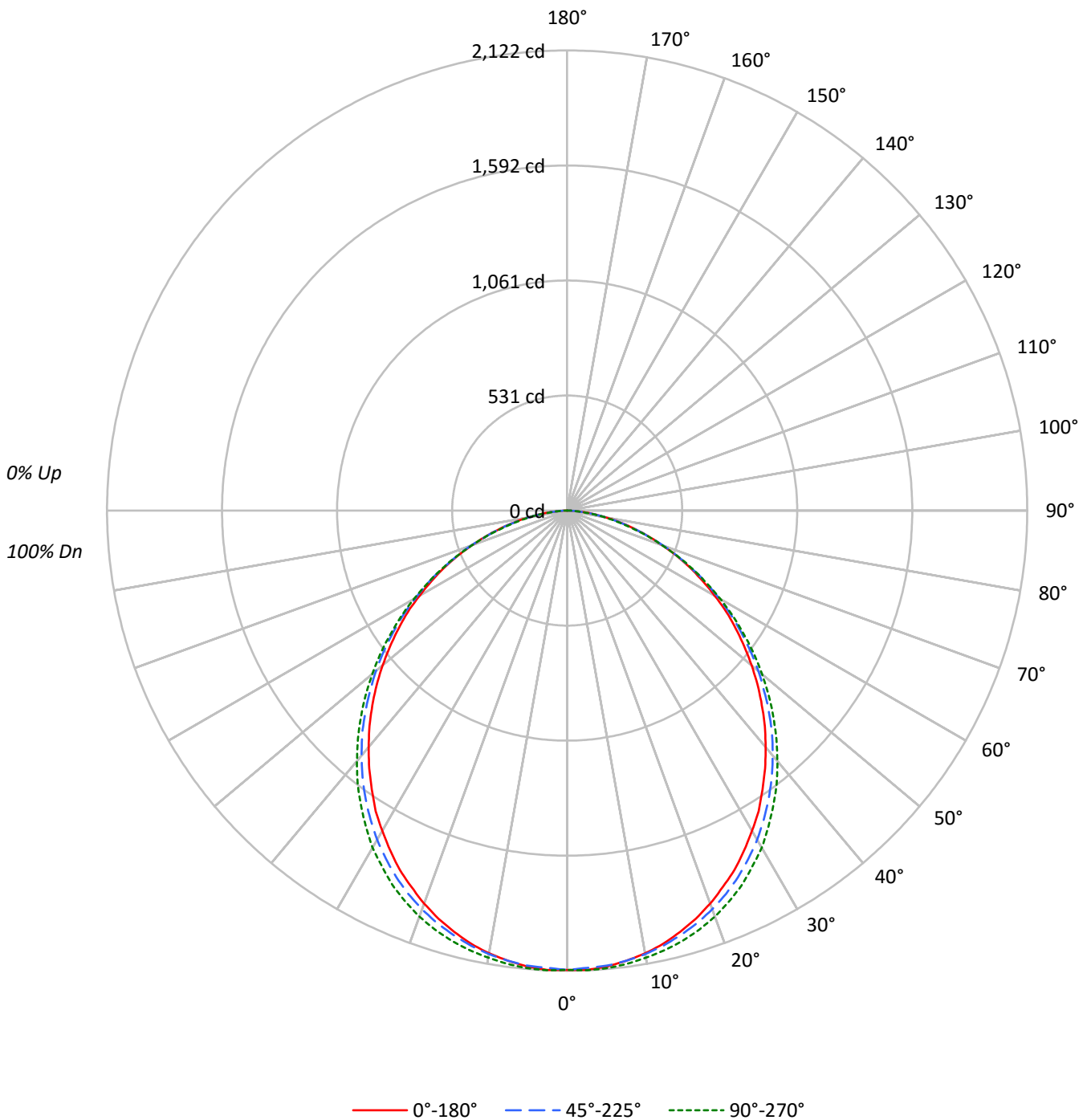
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2850	2850	2850
5°	2851	2845	2861
10°	2832	2837	2860
15°	2801	2822	2861
20°	2761	2802	2853
25°	2713	2768	2830
30°	2649	2722	2789
35°	2579	2662	2724
40°	2501	2590	2649
45°	2417	2506	2559
50°	2325	2411	2454
55°	2227	2297	2332
60°	2115	2171	2196
65°	1995	2025	2037
70°	1830	1852	1830
75°	1648	1639	1590
80°	1395	1381	1337
85°	1042	1014	898



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.5	3.6
10°-20°	572.8	10.3
20°-30°	858.9	15.4
30°-40°	1011.5	18.2
40°-50°	1011.7	18.2
50°-60°	872.9	15.7
60°-70°	628.1	11.3
70°-80°	333.2	6.0
80°-90°	79.5	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°	1632.3	29.3
0°-40°	2643.8	47.5
0°-60°	4528.3	81.3
0°-90°	5569.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5569.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2118	2118	2118	2118	2118	
5°	2110	2109	2107	2114	2118	200
15°	2011	2017	2026	2047	2054	567
25°	1827	1838	1865	1897	1906	840
35°	1570	1589	1621	1649	1658	982
45°	1270	1287	1317	1340	1345	980
55°	949	959	979	996	994	850
65°	627	628	636	640	640	620
75°	317	313	315	308	306	337
85°	68	68	66	60	58	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2118.0	2118.0	2118.0	2118.0	2118.0
2.5°	2119.9	2116.1	2110.5	2118.0	2121.7
5°	2110.5	2108.6	2106.7	2114.2	2118.0
7.5°	2093.6	2095.5	2093.6	2104.9	2108.6
10°	2073.0	2074.8	2076.7	2089.9	2093.6
12.5°	2046.7	2048.6	2054.2	2071.1	2076.7
15°	2011.1	2016.7	2026.1	2046.7	2054.2
17.5°	1973.5	1981.0	1994.2	2018.6	2026.1
20°	1928.5	1937.9	1956.7	1982.9	1992.3
22.5°	1877.9	1887.2	1913.5	1941.7	1951.0
25°	1827.2	1838.5	1864.7	1896.6	1906.0
27.5°	1767.2	1782.2	1810.3	1842.2	1849.7
30°	1705.3	1718.4	1752.2	1782.2	1795.3
32.5°	1643.4	1656.5	1688.4	1718.4	1727.8
35°	1570.2	1589.0	1620.9	1649.0	1658.4
37.5°	1498.9	1515.8	1549.6	1577.7	1587.1
40°	1423.9	1438.9	1474.5	1500.8	1508.3
42.5°	1348.8	1363.8	1399.5	1420.1	1427.6
45°	1270.0	1286.9	1316.9	1339.5	1345.1
47.5°	1191.3	1204.4	1232.5	1253.2	1260.7
50°	1110.6	1123.7	1151.9	1168.7	1172.5
52.5°	1029.9	1039.3	1065.6	1080.6	1086.2
55°	949.3	958.6	979.3	996.2	994.3
57.5°	872.3	876.1	896.7	908.0	908.0
60°	786.0	789.8	806.7	814.2	816.1
62.5°	705.4	711.0	724.1	726.0	726.0
65°	626.6	628.5	636.0	639.7	639.7
67.5°	547.8	545.9	553.4	553.4	551.5
70°	465.2	469.0	470.9	467.1	465.2
72.5°	390.2	388.3	388.3	386.5	386.5
75°	317.0	313.3	315.2	307.7	305.8
77.5°	249.5	243.9	242.0	238.3	234.5
80°	180.1	180.1	178.2	174.5	172.6
82.5°	120.1	120.1	118.2	114.4	110.7
85°	67.5	67.5	65.7	60.0	58.2
87.5°	22.5	22.5	22.5	22.5	22.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)