

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: P296972

Luminaire Tested: **D3X-WD-74L92765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296972
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-74L92765-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5686.0 lumens
Efficiency: N/A
Efficacy: 104.3 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

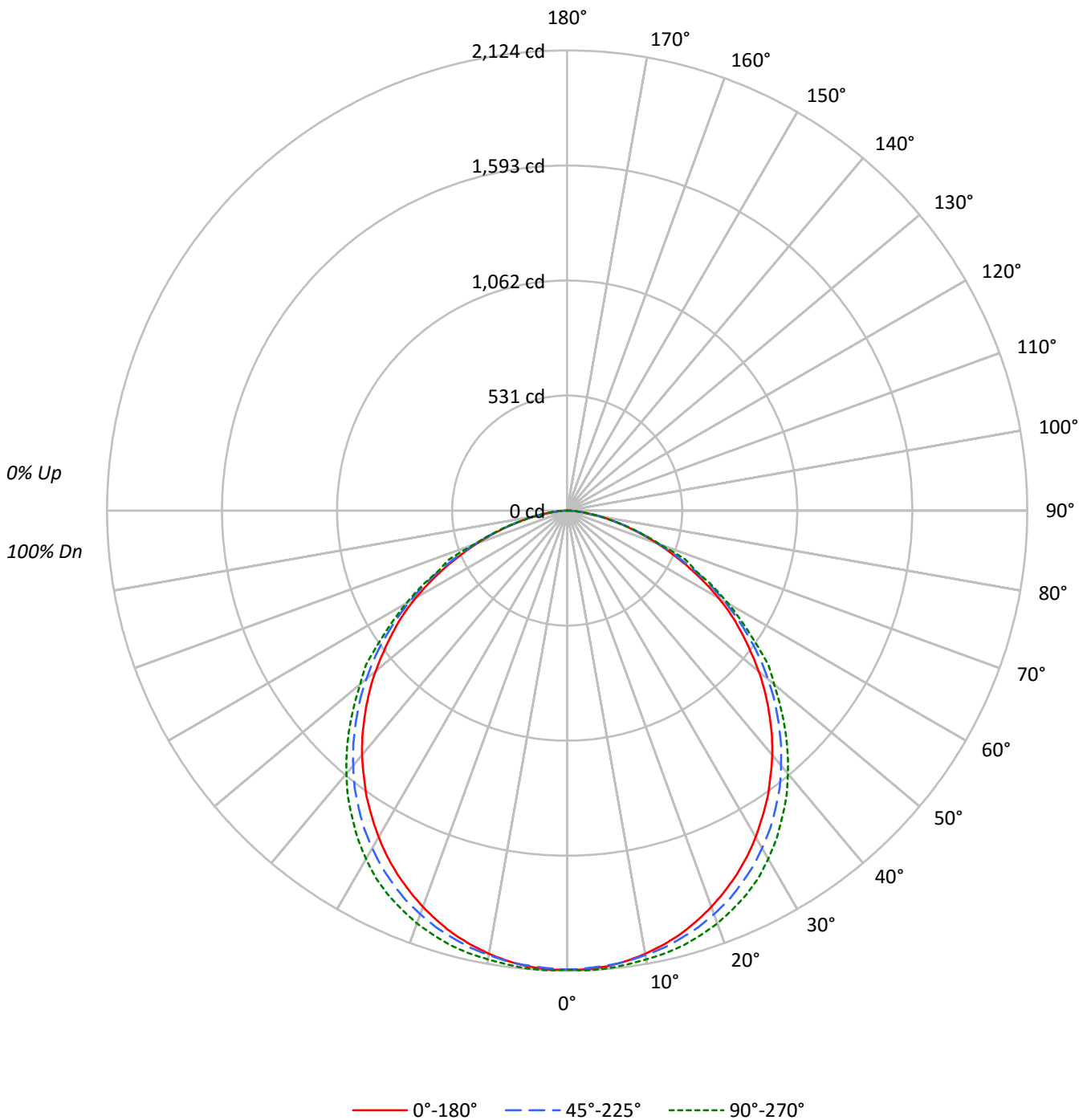
Input Watts (W): 54.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2852	2852	2852
5°	2852	2846	2866
10°	2838	2846	2874
15°	2819	2845	2893
20°	2787	2839	2904
25°	2750	2823	2905
30°	2704	2796	2884
35°	2651	2755	2842
40°	2587	2698	2784
45°	2508	2624	2706
50°	2417	2532	2609
55°	2307	2412	2484
60°	2174	2256	2311
65°	1975	2039	2078
70°	1734	1774	1798
75°	1463	1485	1496
80°	1170	1185	1154
85°	787	818	787



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.9	3.5
10°-20°	577.7	10.2
20°-30°	876.5	15.4
30°-40°	1046.4	18.4
40°-50°	1059.4	18.6
50°-60°	915.7	16.1
60°-70°	634.7	11.2
70°-80°	307.1	5.4
80°-90°	67.5	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°	1655.1	29.1
0°-40°	2701.5	47.5
0°-60°	4676.7	82.2
0°-90°	5686.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5686.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2120	2120	2120	2120	2120	
5°	2112	2110	2108	2118	2122	200
15°	2024	2028	2042	2067	2077	570
25°	1852	1865	1901	1940	1956	853
35°	1614	1628	1677	1720	1730	1008
45°	1318	1336	1379	1414	1422	1017
55°	983	994	1028	1071	1059	879
65°	620	626	641	651	653	614
75°	282	284	286	284	288	302
85°	51	55	53	51	51	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2119.7	2119.7	2119.7	2119.7	2119.7
2.5°	2119.7	2117.7	2113.6	2119.7	2123.8
5°	2111.5	2109.5	2107.5	2117.7	2121.7
7.5°	2097.3	2097.3	2099.3	2109.5	2113.6
10°	2076.9	2078.9	2083.0	2099.3	2103.4
12.5°	2052.4	2056.5	2066.7	2085.0	2093.2
15°	2023.8	2027.9	2042.2	2066.7	2076.9
17.5°	1987.1	1995.3	2015.7	2044.2	2054.4
20°	1946.3	1956.5	1983.0	2015.7	2027.9
22.5°	1901.4	1911.6	1946.3	1981.0	1993.2
25°	1852.4	1864.7	1901.4	1940.2	1956.5
27.5°	1799.4	1813.7	1854.5	1895.3	1911.6
30°	1740.2	1756.6	1799.4	1842.2	1856.5
32.5°	1677.0	1693.3	1742.3	1783.1	1797.4
35°	1613.7	1628.0	1677.0	1719.8	1730.0
37.5°	1542.3	1558.7	1611.7	1648.4	1662.7
40°	1473.0	1489.3	1536.2	1572.9	1585.2
42.5°	1397.5	1413.8	1460.7	1495.4	1505.6
45°	1317.9	1336.3	1379.1	1413.8	1422.0
47.5°	1238.4	1252.6	1297.5	1328.1	1334.2
50°	1154.7	1169.0	1209.8	1240.4	1246.5
52.5°	1067.0	1089.4	1122.1	1144.5	1171.0
55°	983.3	993.5	1028.2	1071.1	1058.8
57.5°	899.7	905.8	934.4	952.7	956.8
60°	807.9	816.1	838.5	848.7	858.9
62.5°	712.0	718.1	744.6	754.8	758.9
65°	620.2	626.3	640.6	650.8	652.8
67.5°	526.4	532.5	544.7	552.9	589.6
70°	440.7	444.7	450.9	467.2	457.0
72.5°	359.1	361.1	367.2	367.2	369.3
75°	281.5	283.6	285.6	283.6	287.7
77.5°	210.1	214.2	216.3	214.2	212.2
80°	151.0	155.1	153.0	148.9	148.9
82.5°	97.9	100.0	97.9	95.9	95.9
85°	51.0	55.1	53.0	51.0	51.0
87.5°	18.4	20.4	22.4	24.5	24.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)