

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: P296889

Luminaire Tested: **D3X-WD-74L93050-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296889
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-74L93050-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: 5429.0 lumens
Efficiency: N/A
Efficacy: 96.3 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

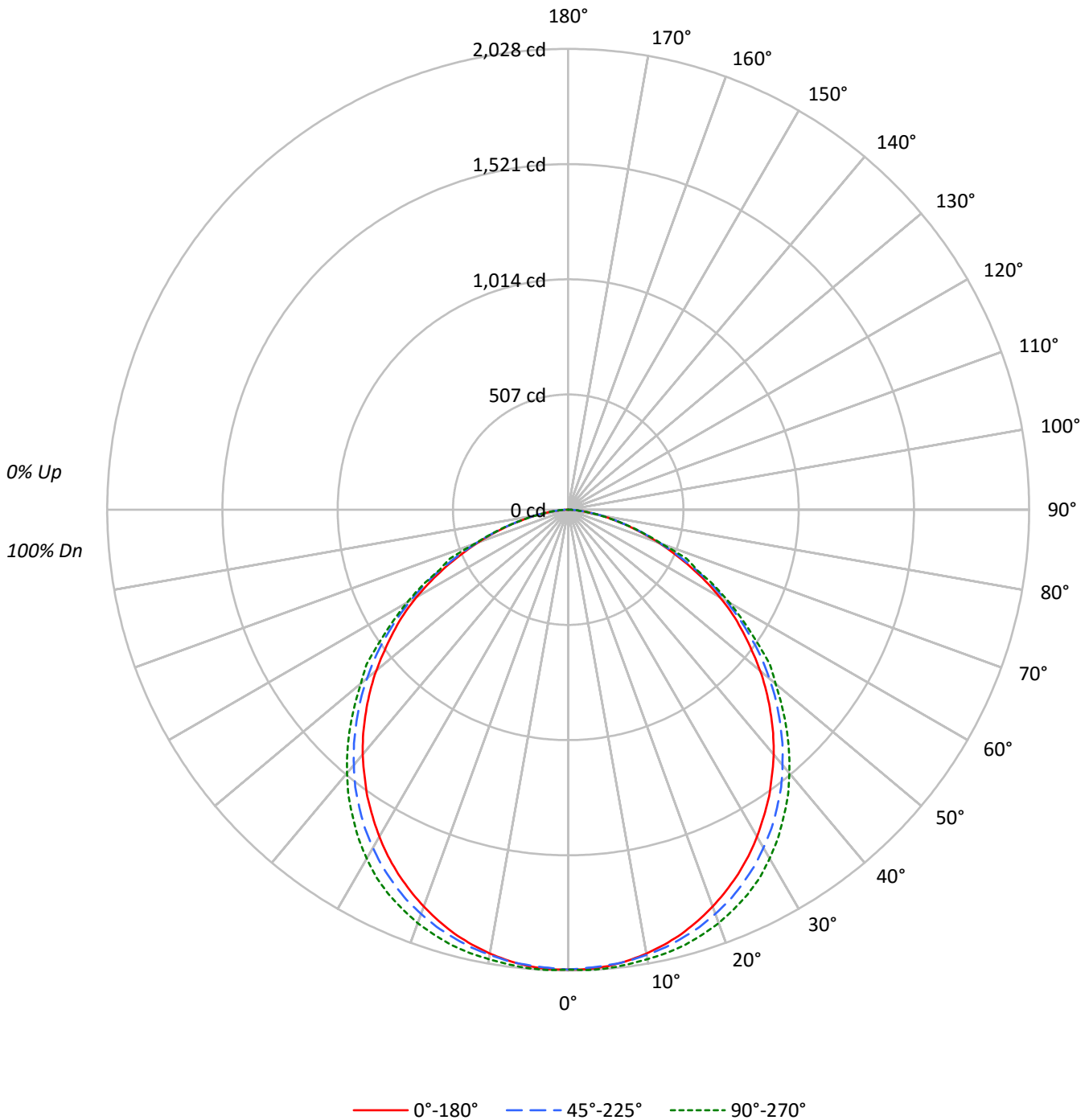
Input Watts (W): 56.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2723	2723	2723
5°	2723	2718	2736
10°	2709	2717	2744
15°	2692	2716	2762
20°	2661	2711	2772
25°	2626	2695	2773
30°	2582	2669	2754
35°	2531	2630	2713
40°	2470	2576	2658
45°	2394	2506	2583
50°	2308	2418	2491
55°	2202	2303	2372
60°	2076	2154	2207
65°	1885	1947	1984
70°	1655	1694	1716
75°	1397	1418	1428
80°	1117	1132	1102
85°	752	781	752



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.8	3.5
10°-20°	551.6	10.2
20°-30°	836.9	15.4
30°-40°	999.2	18.4
40°-50°	1011.5	18.6
50°-60°	874.4	16.1
60°-70°	606.0	11.2
70°-80°	293.2	5.4
80°-90°	64.5	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°	1580.3	29.1
0°-40°	2579.4	47.5
0°-60°	4465.3	82.2
0°-90°	5429.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5429.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2024	2024	2024	2024	2024	
5°	2016	2014	2012	2022	2026	191
15°	1932	1936	1950	1973	1983	545
25°	1769	1780	1816	1852	1868	815
35°	1541	1554	1601	1642	1652	963
45°	1258	1276	1317	1350	1358	971
55°	939	949	982	1023	1011	839
65°	592	598	612	621	623	586
75°	269	271	273	271	275	288
85°	49	53	51	49	49	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2023.9	2023.9	2023.9	2023.9	2023.9
2.5°	2023.9	2021.9	2018.0	2023.9	2027.8
5°	2016.1	2014.2	2012.2	2021.9	2025.8
7.5°	2002.5	2002.5	2004.4	2014.2	2018.0
10°	1983.0	1984.9	1988.8	2004.4	2008.3
12.5°	1959.6	1963.5	1973.2	1990.8	1998.6
15°	1932.3	1936.2	1949.9	1973.2	1983.0
17.5°	1897.3	1905.1	1924.5	1951.8	1961.6
20°	1858.3	1868.1	1893.4	1924.5	1936.2
22.5°	1815.5	1825.2	1858.3	1891.4	1903.1
25°	1768.7	1780.4	1815.5	1852.5	1868.1
27.5°	1718.1	1731.7	1770.7	1809.6	1825.2
30°	1661.6	1677.2	1718.1	1759.0	1772.6
32.5°	1601.2	1616.8	1663.5	1702.5	1716.1
35°	1540.8	1554.4	1601.2	1642.1	1651.8
37.5°	1472.6	1488.2	1538.9	1573.9	1587.6
40°	1406.4	1422.0	1466.8	1501.8	1513.5
42.5°	1334.3	1349.9	1394.7	1427.8	1437.6
45°	1258.4	1275.9	1316.8	1349.9	1357.7
47.5°	1182.4	1196.0	1238.9	1268.1	1273.9
50°	1102.5	1116.2	1155.1	1184.3	1190.2
52.5°	1018.8	1040.2	1071.4	1092.8	1118.1
55°	938.9	948.6	981.8	1022.7	1011.0
57.5°	859.0	864.9	892.1	909.7	913.6
60°	771.4	779.2	800.6	810.3	820.1
62.5°	679.8	685.7	711.0	720.7	724.6
65°	592.2	598.0	611.6	621.4	623.3
67.5°	502.6	508.4	520.1	527.9	562.9
70°	420.8	424.6	430.5	446.1	436.3
72.5°	342.8	344.8	350.6	350.6	352.6
75°	268.8	270.8	272.7	270.8	274.7
77.5°	200.6	204.5	206.5	204.5	202.6
80°	144.1	148.0	146.1	142.2	142.2
82.5°	93.5	95.4	93.5	91.6	91.6
85°	48.7	52.6	50.6	48.7	48.7
87.5°	17.5	19.5	21.4	23.4	23.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)