

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: P296739

Luminaire Tested: **D3X-WD-60L83050-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296739
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-60L83050-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5344.0 lumens
Efficiency: N/A
Efficacy: 123.7 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

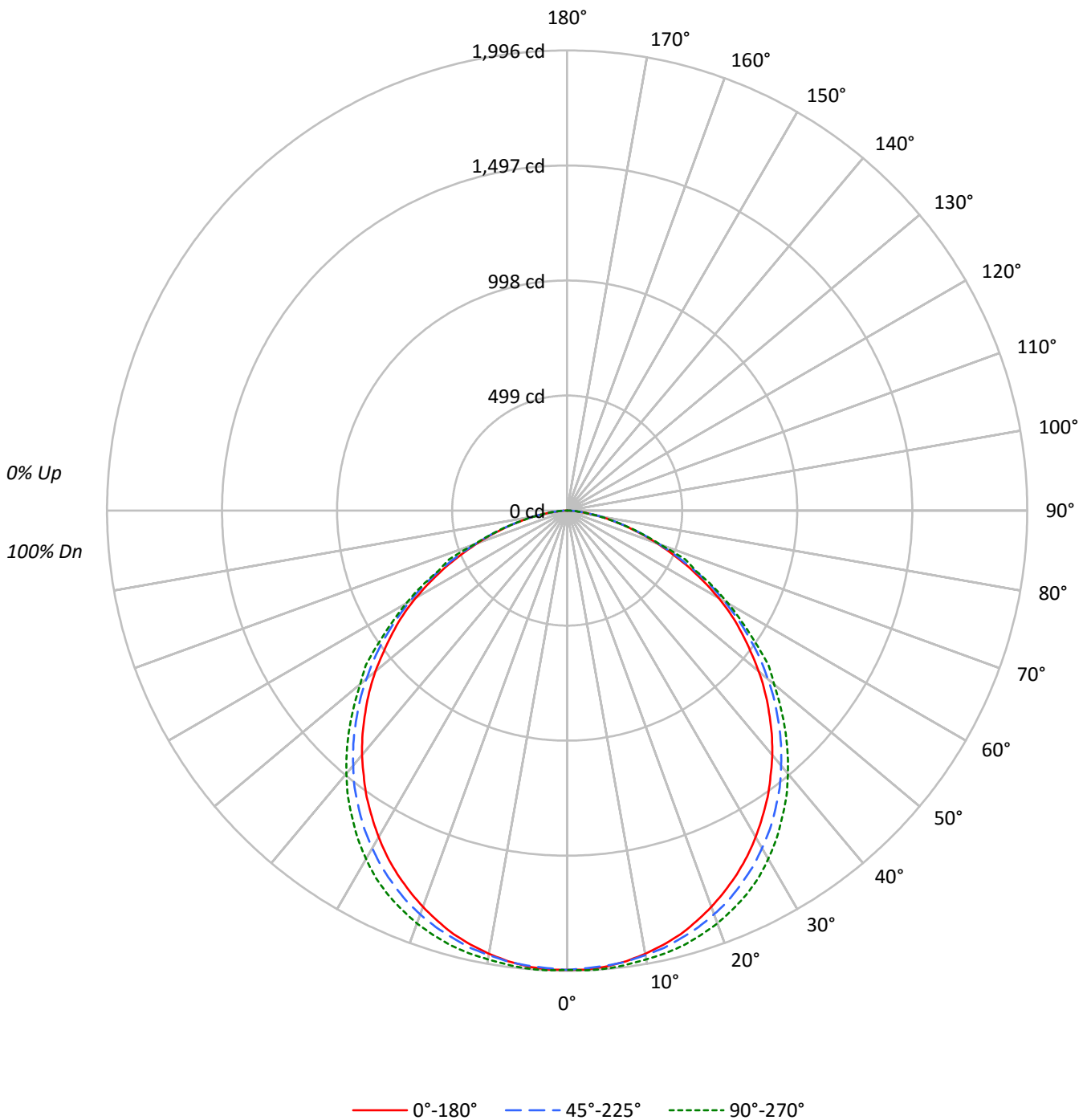
Input Watts (W): 43.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2680	2680	2680
5°	2680	2675	2693
10°	2667	2675	2701
15°	2650	2673	2719
20°	2619	2669	2729
25°	2585	2653	2730
30°	2541	2628	2711
35°	2491	2589	2671
40°	2432	2536	2617
45°	2357	2466	2543
50°	2272	2380	2452
55°	2168	2267	2334
60°	2043	2121	2172
65°	1856	1917	1954
70°	1629	1667	1690
75°	1376	1395	1406
80°	1099	1114	1085
85°	739	770	739



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.8	3.5
10°-20°	542.9	10.2
20°-30°	823.8	15.4
30°-40°	983.5	18.4
40°-50°	995.7	18.6
50°-60°	860.7	16.1
60°-70°	596.5	11.2
70°-80°	288.6	5.4
80°-90°	63.5	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°	1555.5	29.1
0°-40°	2539.0	47.5
0°-60°	4395.4	82.2
0°-90°	5344.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5344.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1992	1992	1992	1992	1992	
5°	1984	1983	1981	1990	1994	188
15°	1902	1906	1919	1942	1952	536
25°	1741	1752	1787	1824	1839	802
35°	1517	1530	1576	1616	1626	947
45°	1239	1256	1296	1329	1336	955
55°	924	934	966	1007	995	826
65°	583	589	602	612	614	577
75°	265	266	268	266	270	284
85°	48	52	50	48	48	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1992.2	1992.2	1992.2	1992.2	1992.2
2.5°	1992.2	1990.3	1986.5	1992.2	1996.0
5°	1984.5	1982.6	1980.7	1990.3	1994.1
7.5°	1971.1	1971.1	1973.0	1982.6	1986.5
10°	1951.9	1953.9	1957.7	1973.0	1976.9
12.5°	1928.9	1932.8	1942.4	1959.6	1967.3
15°	1902.1	1905.9	1919.3	1942.4	1951.9
17.5°	1867.6	1875.2	1894.4	1921.3	1930.8
20°	1829.2	1838.8	1863.7	1894.4	1905.9
22.5°	1787.0	1796.6	1829.2	1861.8	1873.3
25°	1741.0	1752.5	1787.0	1823.5	1838.8
27.5°	1691.2	1704.6	1742.9	1781.3	1796.6
30°	1635.6	1650.9	1691.2	1731.4	1744.9
32.5°	1576.1	1591.5	1637.5	1675.8	1689.3
35°	1516.7	1530.1	1576.1	1616.4	1626.0
37.5°	1449.6	1464.9	1514.8	1549.3	1562.7
40°	1384.4	1399.7	1443.8	1478.3	1489.8
42.5°	1313.4	1328.8	1372.9	1405.5	1415.1
45°	1238.7	1255.9	1296.2	1328.8	1336.4
47.5°	1163.9	1177.3	1219.5	1248.2	1254.0
50°	1085.3	1098.7	1137.0	1165.8	1171.5
52.5°	1002.8	1023.9	1054.6	1075.7	1100.6
55°	924.2	933.8	966.4	1006.6	995.1
57.5°	845.6	851.3	878.2	895.4	899.3
60°	759.3	767.0	788.1	797.6	807.2
62.5°	669.2	674.9	699.9	709.4	713.3
65°	582.9	588.6	602.1	611.7	613.6
67.5°	494.7	500.4	512.0	519.6	554.1
70°	414.2	418.0	423.8	439.1	429.5
72.5°	337.5	339.4	345.1	345.1	347.1
75°	264.6	266.5	268.4	266.5	270.4
77.5°	197.5	201.3	203.2	201.3	199.4
80°	141.9	145.7	143.8	140.0	140.0
82.5°	92.0	94.0	92.0	90.1	90.1
85°	47.9	51.8	49.9	47.9	47.9
87.5°	17.3	19.2	21.1	23.0	23.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)