

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: P296741

Luminaire Tested: **D3X-WD-60L83050-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296741
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-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5937.0 lumens
Efficiency: N/A
Efficacy: 134.0 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

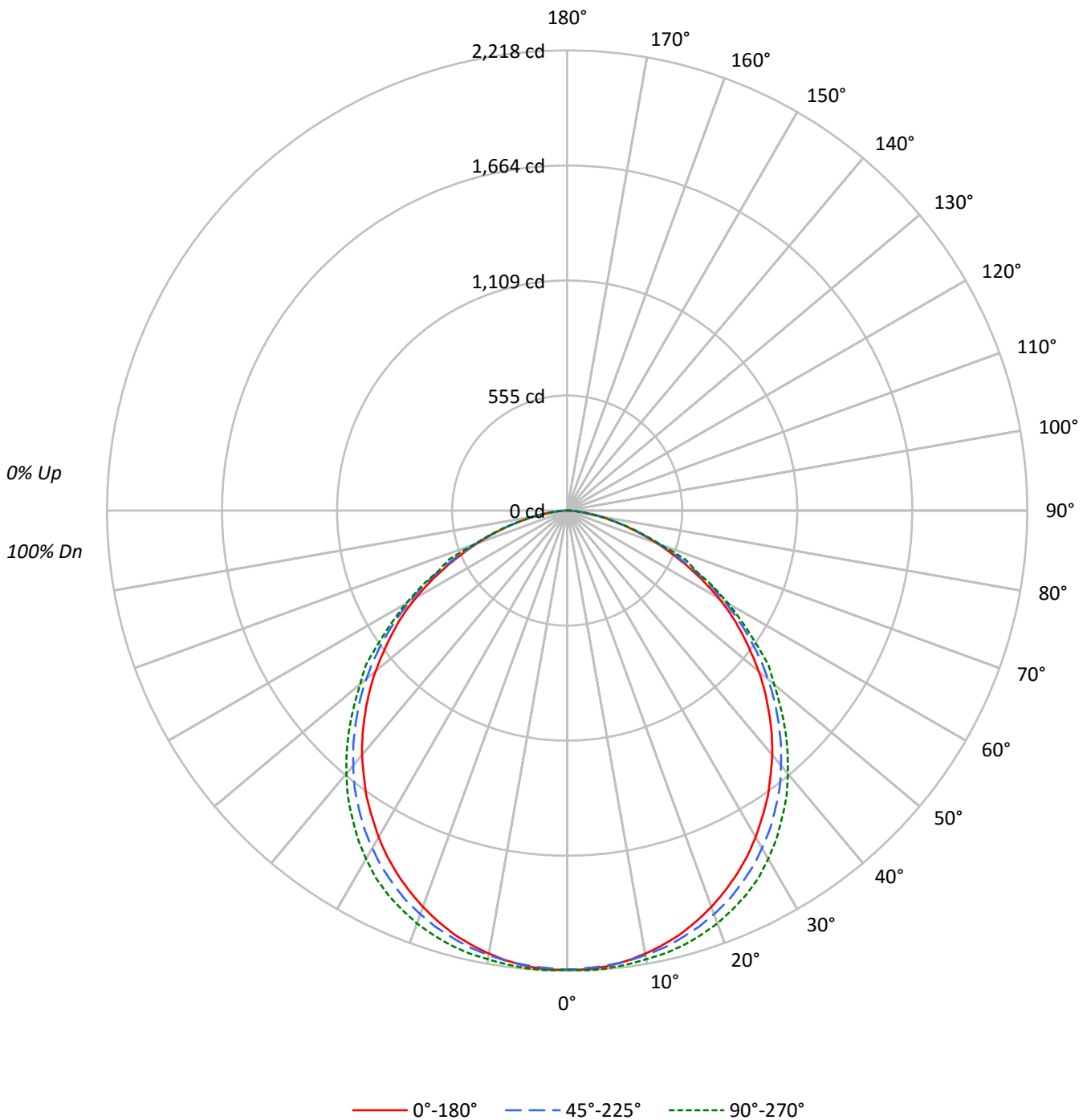
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2978	2978	2978
5°	2978	2972	2992
10°	2963	2971	3001
15°	2944	2970	3021
20°	2910	2965	3032
25°	2871	2947	3033
30°	2823	2919	3012
35°	2768	2876	2967
40°	2701	2817	2907
45°	2618	2740	2825
50°	2524	2644	2724
55°	2409	2518	2594
60°	2270	2356	2413
65°	2062	2130	2170
70°	1810	1852	1877
75°	1528	1550	1562
80°	1221	1238	1205
85°	823	855	823



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.8	3.5
10°-20°	603.2	10.2
20°-30°	915.2	15.4
30°-40°	1092.6	18.4
40°-50°	1106.2	18.6
50°-60°	956.2	16.1
60°-70°	662.7	11.2
70°-80°	320.6	5.4
80°-90°	70.5	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°	1728.1	29.1
0°-40°	2820.8	47.5
0°-60°	4883.1	82.2
0°-90°	5937.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5937.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2213	2213	2213	2213	2213	
5°	2205	2203	2200	2211	2215	209
15°	2113	2117	2132	2158	2168	596
25°	1934	1947	1985	2026	2043	891
35°	1685	1700	1751	1796	1806	1053
45°	1376	1395	1440	1476	1485	1061
55°	1027	1037	1074	1118	1106	918
65°	648	654	669	680	682	641
75°	294	296	298	296	300	315
85°	53	58	55	53	53	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2213.3	2213.3	2213.3	2213.3	2213.3
2.5°	2213.3	2211.1	2206.9	2213.3	2217.5
5°	2204.8	2202.6	2200.5	2211.1	2215.4
7.5°	2189.8	2189.8	2192.0	2202.6	2206.9
10°	2168.5	2170.7	2174.9	2192.0	2196.2
12.5°	2143.0	2147.2	2157.9	2177.1	2185.6
15°	2113.2	2117.4	2132.3	2157.9	2168.5
17.5°	2074.8	2083.3	2104.6	2134.5	2145.1
20°	2032.2	2042.9	2070.5	2104.6	2117.4
22.5°	1985.3	1996.0	2032.2	2068.4	2081.2
25°	1934.2	1947.0	1985.3	2025.8	2042.9
27.5°	1878.8	1893.7	1936.3	1978.9	1996.0
30°	1817.1	1834.1	1878.8	1923.6	1938.5
32.5°	1751.0	1768.1	1819.2	1861.8	1876.7
35°	1685.0	1699.9	1751.0	1795.8	1806.4
37.5°	1610.4	1627.5	1682.9	1721.2	1736.1
40°	1538.0	1555.0	1604.0	1642.4	1655.2
42.5°	1459.2	1476.2	1525.2	1561.4	1572.1
45°	1376.1	1395.3	1440.0	1476.2	1484.7
47.5°	1293.0	1307.9	1354.8	1386.8	1393.1
50°	1205.7	1220.6	1263.2	1295.2	1301.5
52.5°	1114.1	1137.5	1171.6	1195.0	1222.7
55°	1026.8	1037.4	1073.6	1118.4	1105.6
57.5°	939.4	945.8	975.6	994.8	999.1
60°	843.6	852.1	875.5	886.2	896.8
62.5°	743.4	749.8	777.5	788.2	792.4
65°	647.6	654.0	668.9	679.5	681.7
67.5°	549.6	556.0	568.8	577.3	615.6
70°	460.1	464.4	470.8	487.8	477.2
72.5°	374.9	377.0	383.4	383.4	385.6
75°	294.0	296.1	298.2	296.1	300.4
77.5°	219.4	223.7	225.8	223.7	221.5
80°	157.6	161.9	159.8	155.5	155.5
82.5°	102.2	104.4	102.2	100.1	100.1
85°	53.3	57.5	55.4	53.3	53.3
87.5°	19.2	21.3	23.4	25.6	25.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)