

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: P296821

Luminaire Tested: **D3X-WD-60L82765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296821
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-60L82765-LD5-UNV-24-T1-W2A-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5911.0 lumens
Efficiency: N/A
Efficacy: 130.8 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

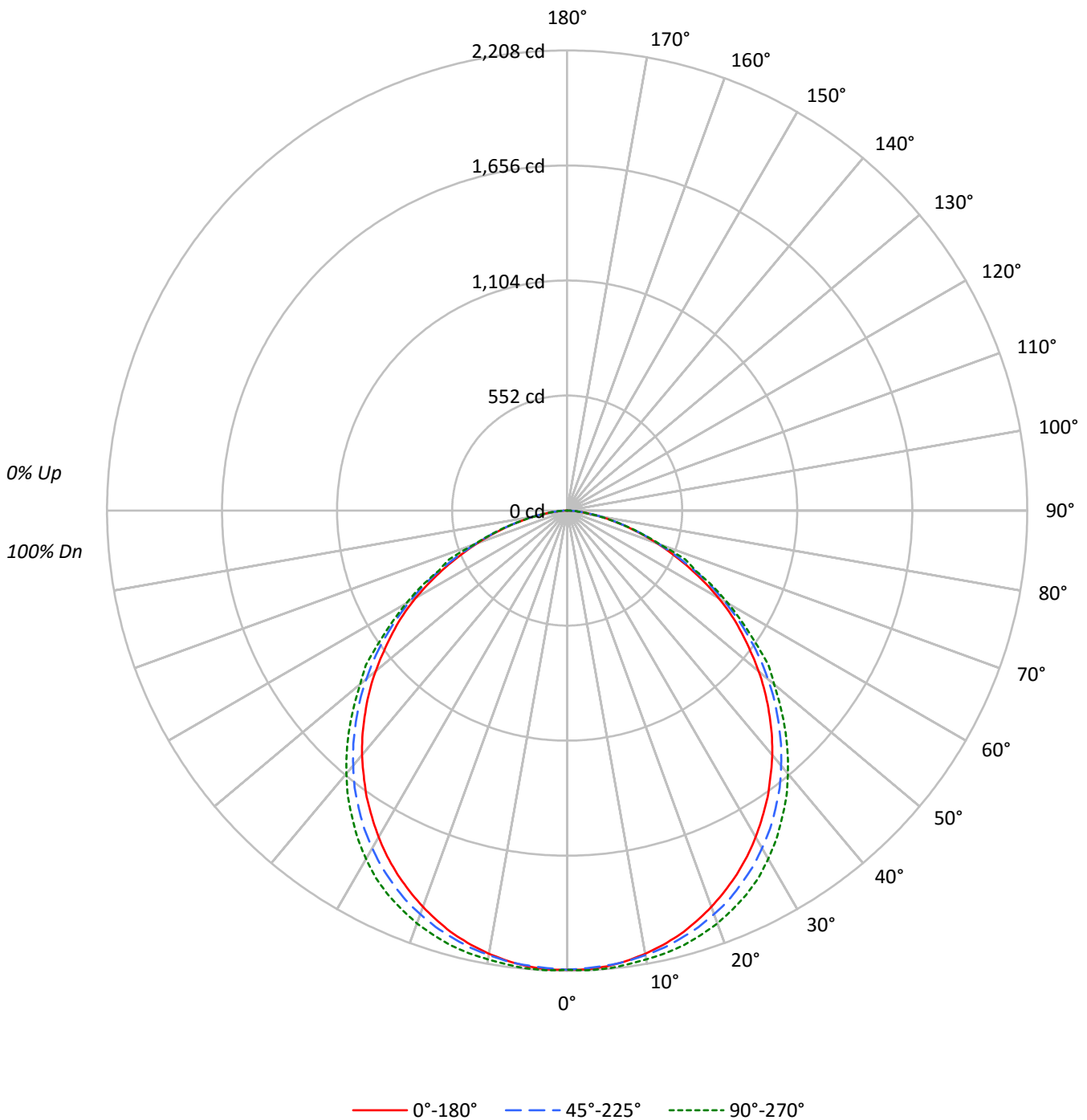
Input Watts (W): 45.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2965	2965	2965
5°	2965	2959	2979
10°	2950	2958	2987
15°	2931	2957	3007
20°	2897	2952	3018
25°	2859	2934	3019
30°	2811	2906	2999
35°	2756	2864	2954
40°	2690	2805	2894
45°	2607	2728	2813
50°	2513	2633	2712
55°	2398	2507	2582
60°	2260	2346	2403
65°	2053	2120	2161
70°	1802	1844	1869
75°	1522	1543	1554
80°	1216	1233	1199
85°	818	851	818



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.8	3.5
10°-20°	600.5	10.2
20°-30°	911.2	15.4
30°-40°	1087.9	18.4
40°-50°	1101.3	18.6
50°-60°	952.0	16.1
60°-70°	659.8	11.2
70°-80°	319.2	5.4
80°-90°	70.2	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°	1720.6	29.1
0°-40°	2808.4	47.5
0°-60°	4861.8	82.2
0°-90°	5911.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5911.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2204	2204	2204	2204	2204	
5°	2195	2193	2191	2202	2206	208
15°	2104	2108	2123	2148	2159	593
25°	1926	1938	1977	2017	2034	887
35°	1678	1692	1743	1788	1798	1048
45°	1370	1389	1434	1470	1478	1057
55°	1022	1033	1069	1114	1101	914
65°	645	651	666	677	679	638
75°	293	295	297	295	299	314
85°	53	57	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°	2203.6	2203.6	2203.6	2203.6	2203.6
2.5°	2203.6	2201.5	2197.2	2203.6	2207.8
5°	2195.1	2193.0	2190.9	2201.5	2205.7
7.5°	2180.2	2180.2	2182.4	2193.0	2197.2
10°	2159.0	2161.2	2165.4	2182.4	2186.6
12.5°	2133.6	2137.8	2148.4	2167.5	2176.0
15°	2103.9	2108.1	2123.0	2148.4	2159.0
17.5°	2065.7	2074.2	2095.4	2125.1	2135.7
20°	2023.3	2033.9	2061.5	2095.4	2108.1
22.5°	1976.6	1987.3	2023.3	2059.4	2072.1
25°	1925.7	1938.5	1976.6	2016.9	2033.9
27.5°	1870.6	1885.4	1927.9	1970.3	1987.3
30°	1809.1	1826.1	1870.6	1915.1	1930.0
32.5°	1743.4	1760.3	1811.2	1853.6	1868.5
35°	1677.6	1692.5	1743.4	1787.9	1798.5
37.5°	1603.4	1620.3	1675.5	1713.7	1728.5
40°	1531.3	1548.2	1597.0	1635.2	1647.9
42.5°	1452.8	1469.8	1518.5	1554.6	1565.2
45°	1370.1	1389.2	1433.7	1469.8	1478.2
47.5°	1287.4	1302.2	1348.9	1380.7	1387.0
50°	1200.4	1215.3	1257.7	1289.5	1295.8
52.5°	1109.2	1132.5	1166.5	1189.8	1217.4
55°	1022.3	1032.9	1068.9	1113.5	1100.7
57.5°	935.3	941.7	971.4	990.4	994.7
60°	839.9	848.3	871.7	882.3	892.9
62.5°	740.2	746.5	774.1	784.7	789.0
65°	644.7	651.1	666.0	676.6	678.7
67.5°	547.2	553.5	566.3	574.8	612.9
70°	458.1	462.3	468.7	485.7	475.1
72.5°	373.3	375.4	381.8	381.8	383.9
75°	292.7	294.8	296.9	294.8	299.0
77.5°	218.4	222.7	224.8	222.7	220.6
80°	156.9	161.2	159.1	154.8	154.8
82.5°	101.8	103.9	101.8	99.7	99.7
85°	53.0	57.3	55.1	53.0	53.0
87.5°	19.1	21.2	23.3	25.5	25.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)