

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: P297096

Luminaire Tested: **D3X-WG-60L82765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297096
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-60L82765-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5655.0 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

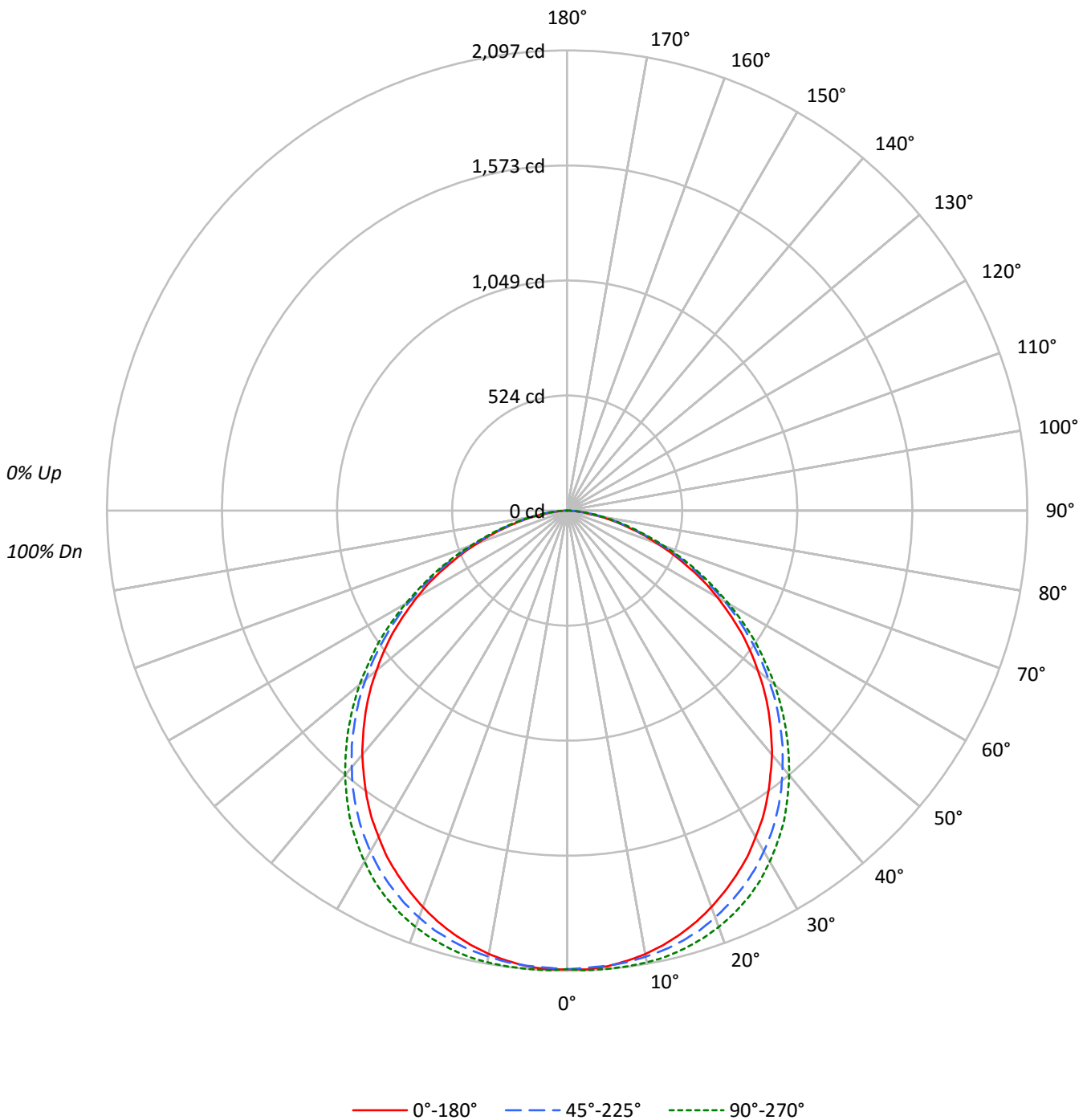
Input Watts (W): 43.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	47	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	27	38	32	27	37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2813	2813	2813
5°	2815	2813	2832
10°	2804	2820	2856
15°	2782	2827	2878
20°	2753	2825	2892
25°	2716	2812	2893
30°	2669	2785	2870
35°	2615	2745	2832
40°	2551	2683	2765
45°	2471	2606	2683
50°	2375	2510	2587
55°	2271	2385	2461
60°	2126	2235	2289
65°	1941	2045	2096
70°	1705	1793	1841
75°	1443	1516	1569
80°	1146	1256	1287
85°	781	939	906



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.6	3.5
10°-20°	573.5	10.1
20°-30°	871.5	15.4
30°-40°	1039.9	18.4
40°-50°	1050.3	18.6
50°-60°	904.9	16.0
60°-70°	630.8	11.2
70°-80°	312.6	5.5
80°-90°	72.9	1.3
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°	1643.6	29.1
0°-40°	2683.5	47.5
0°-60°	4638.7	82.0
0°-90°	5655.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5655.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2090	2090	2090	2090	2090	
5°	2084	2082	2082	2093	2097	198
15°	1997	2008	2030	2056	2066	563
25°	1829	1854	1894	1932	1949	843
35°	1592	1618	1671	1710	1724	995
45°	1298	1327	1369	1402	1410	1001
55°	968	988	1017	1041	1049	863
65°	610	622	642	648	658	605
75°	278	282	292	298	302	299
85°	51	61	61	57	59	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2090.5	2090.5	2090.5	2090.5	2090.5
2.5°	2092.6	2088.5	2084.5	2092.6	2096.6
5°	2084.5	2082.4	2082.4	2092.6	2096.6
7.5°	2070.3	2070.3	2076.4	2090.5	2094.6
10°	2052.0	2056.1	2064.2	2084.5	2090.5
12.5°	2027.7	2035.8	2050.0	2074.3	2082.4
15°	1997.4	2007.5	2029.8	2056.1	2066.2
17.5°	1962.9	1977.1	2005.5	2035.8	2046.0
20°	1922.4	1940.6	1973.0	2007.5	2019.6
22.5°	1877.8	1900.1	1936.6	1973.0	1987.2
25°	1829.2	1853.5	1894.0	1932.5	1948.7
27.5°	1778.6	1802.9	1847.4	1885.9	1902.1
30°	1717.8	1746.2	1792.8	1833.3	1847.4
32.5°	1659.1	1687.4	1736.0	1772.5	1786.7
35°	1592.2	1618.5	1671.2	1709.7	1723.9
37.5°	1521.3	1551.7	1602.3	1636.8	1648.9
40°	1452.4	1478.8	1527.4	1561.8	1574.0
42.5°	1375.5	1403.8	1452.4	1482.8	1492.9
45°	1298.5	1326.8	1369.4	1401.8	1409.9
47.5°	1219.5	1245.8	1288.4	1314.7	1322.8
50°	1134.4	1158.7	1199.2	1225.6	1235.7
52.5°	1053.4	1075.7	1110.1	1132.4	1138.4
55°	968.3	988.5	1016.9	1041.2	1049.3
57.5°	877.1	899.4	925.7	946.0	952.1
60°	790.0	808.3	830.5	848.8	850.8
62.5°	704.9	713.1	733.3	749.5	751.5
65°	609.7	621.9	642.2	648.2	658.4
67.5°	522.6	530.7	546.9	555.0	563.1
70°	433.5	439.6	455.8	465.9	467.9
72.5°	356.5	358.6	370.7	378.8	380.8
75°	277.5	281.6	291.7	297.8	301.8
77.5°	210.7	214.7	222.8	226.9	226.9
80°	147.9	154.0	162.1	164.1	166.1
82.5°	95.2	103.3	109.4	111.4	107.4
85°	50.6	60.8	60.8	56.7	58.7
87.5°	18.2	22.3	24.3	26.3	26.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)