

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: P297370

Luminaire Tested: **D3X-WO-55L82765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297370
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-55L82765-LD5-UNV-24-T1-W2A-5500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5770.0 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

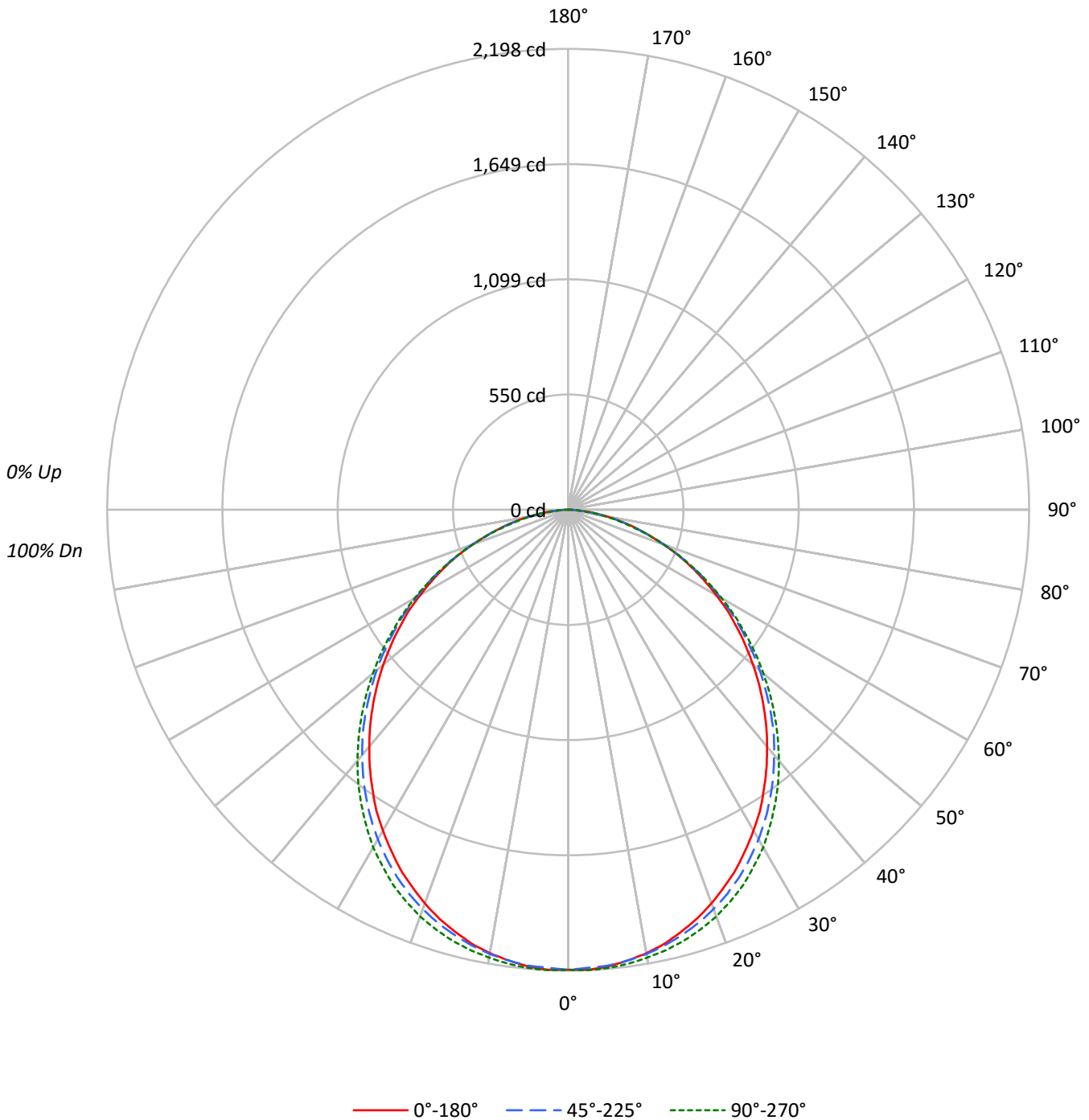
Input Watts (W): 39.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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°	2953	2953	2953
5°	2953	2948	2964
10°	2934	2940	2964
15°	2902	2924	2965
20°	2861	2903	2956
25°	2811	2868	2932
30°	2745	2820	2890
35°	2672	2758	2822
40°	2591	2683	2745
45°	2504	2596	2652
50°	2409	2498	2543
55°	2307	2380	2417
60°	2192	2249	2275
65°	2067	2098	2110
70°	1896	1919	1896
75°	1708	1697	1647
80°	1446	1431	1385
85°	1081	1050	931



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.8	3.6
10°-20°	593.5	10.3
20°-30°	889.9	15.4
30°-40°	1048.0	18.2
40°-50°	1048.2	18.2
50°-60°	904.4	15.7
60°-70°	650.8	11.3
70°-80°	345.2	6.0
80°-90°	82.3	1.4
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°	1691.2	29.3
0°-40°	2739.2	47.5
0°-60°	4691.7	81.3
0°-90°	5770.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5770.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2194	2194	2194	2194	2194	
5°	2187	2185	2183	2191	2194	207
15°	2084	2090	2099	2121	2128	588
25°	1893	1905	1932	1965	1975	871
35°	1627	1646	1679	1708	1718	1018
45°	1316	1333	1364	1388	1394	1015
55°	984	993	1015	1032	1030	880
65°	649	651	659	663	663	642
75°	328	325	326	319	317	349
85°	70	70	68	62	60	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2194.4	2194.4	2194.4	2194.4	2194.4
2.5°	2196.4	2192.5	2186.7	2194.4	2198.3
5°	2186.7	2184.7	2182.8	2190.6	2194.4
7.5°	2169.2	2171.1	2169.2	2180.8	2184.7
10°	2147.8	2149.7	2151.7	2165.3	2169.2
12.5°	2120.6	2122.5	2128.4	2145.8	2151.7
15°	2083.6	2089.5	2099.2	2120.6	2128.4
17.5°	2044.8	2052.5	2066.2	2091.4	2099.2
20°	1998.1	2007.8	2027.3	2054.5	2064.2
22.5°	1945.6	1955.4	1982.6	2011.7	2021.4
25°	1893.2	1904.8	1932.0	1965.1	1974.8
27.5°	1831.0	1846.5	1875.7	1908.7	1916.5
30°	1766.8	1780.4	1815.4	1846.5	1860.1
32.5°	1702.7	1716.3	1749.3	1780.4	1790.1
35°	1626.9	1646.3	1679.4	1708.5	1718.2
37.5°	1553.0	1570.5	1605.5	1634.7	1644.4
40°	1475.3	1490.8	1527.7	1555.0	1562.7
42.5°	1397.5	1413.1	1450.0	1471.4	1479.2
45°	1315.9	1333.4	1364.5	1387.8	1393.6
47.5°	1234.2	1247.9	1277.0	1298.4	1306.2
50°	1150.7	1164.3	1193.4	1210.9	1214.8
52.5°	1067.1	1076.8	1104.0	1119.6	1125.4
55°	983.5	993.2	1014.6	1032.1	1030.2
57.5°	903.8	907.7	929.1	940.8	940.8
60°	814.4	818.3	835.8	843.6	845.5
62.5°	730.8	736.7	750.3	752.2	752.2
65°	649.2	651.1	658.9	662.8	662.8
67.5°	567.6	565.6	573.4	573.4	571.4
70°	482.0	485.9	487.9	484.0	482.0
72.5°	404.3	402.3	402.3	400.4	400.4
75°	328.5	324.6	326.5	318.8	316.8
77.5°	258.5	252.7	250.7	246.8	243.0
80°	186.6	186.6	184.7	180.8	178.8
82.5°	124.4	124.4	122.5	118.6	114.7
85°	70.0	70.0	68.0	62.2	60.3
87.5°	23.3	23.3	23.3	23.3	23.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)