

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: P297372

Luminaire Tested: **D3X-WO-55L82765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297372
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-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5800.0 lumens
Efficiency: N/A
Efficacy: 145.0 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

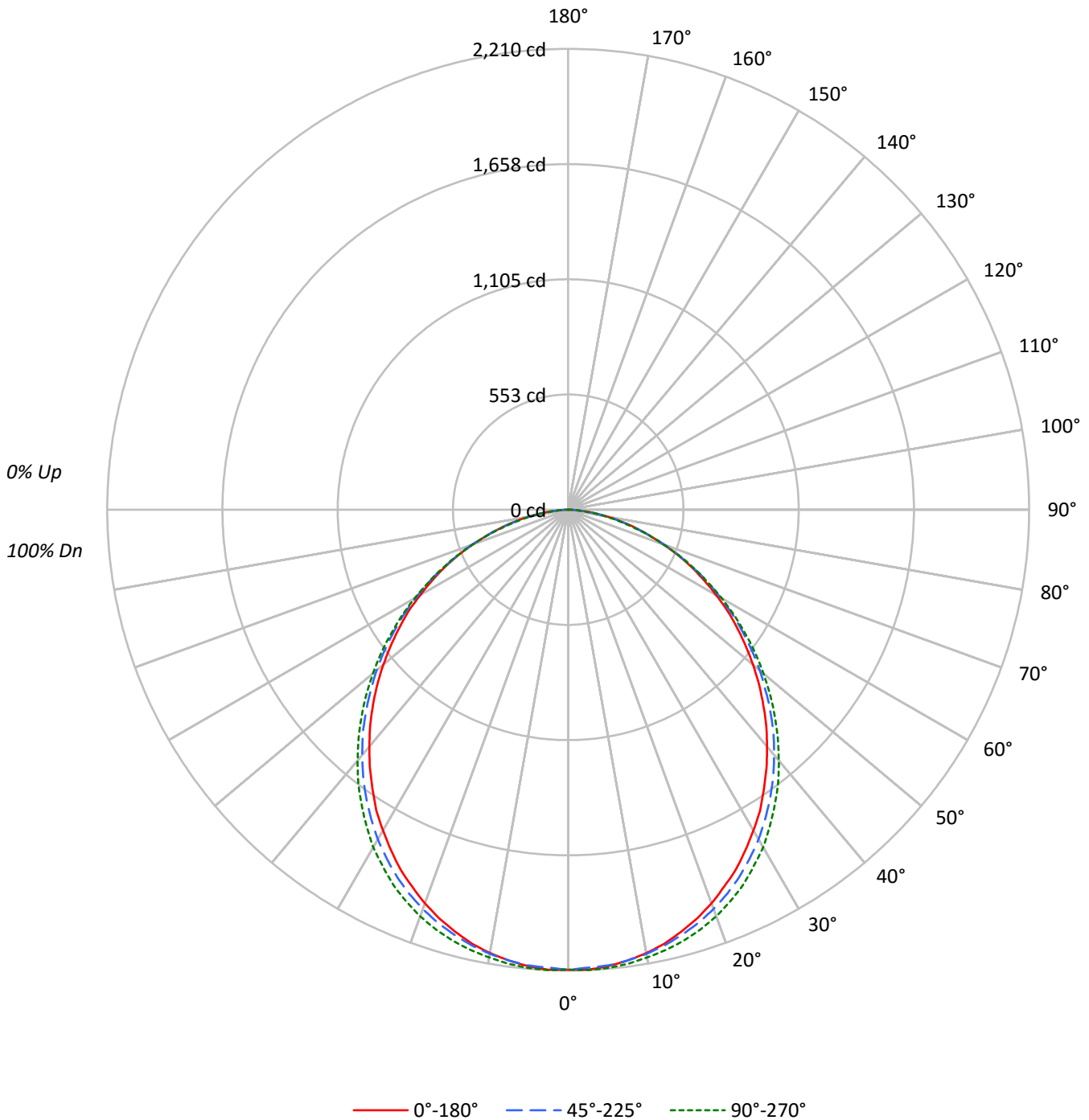
Input Watts (W): 40
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2968	2968	2968
5°	2969	2963	2979
10°	2950	2955	2979
15°	2918	2939	2980
20°	2876	2918	2971
25°	2825	2883	2947
30°	2759	2835	2905
35°	2686	2773	2837
40°	2605	2697	2759
45°	2517	2610	2666
50°	2421	2511	2556
55°	2319	2392	2429
60°	2203	2261	2287
65°	2078	2109	2121
70°	1906	1929	1906
75°	1717	1706	1656
80°	1454	1438	1393
85°	1085	1056	936



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.8	3.6
10°-20°	596.6	10.3
20°-30°	894.5	15.4
30°-40°	1053.4	18.2
40°-50°	1053.6	18.2
50°-60°	909.1	15.7
60°-70°	654.1	11.3
70°-80°	347.0	6.0
80°-90°	82.7	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°	1700.0	29.3
0°-40°	2753.4	47.5
0°-60°	4716.1	81.3
0°-90°	5800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5800.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2206	2206	2206	2206	2206	
5°	2198	2196	2194	2202	2206	209
15°	2094	2100	2110	2132	2139	591
25°	1903	1915	1942	1975	1985	875
35°	1635	1655	1688	1717	1727	1023
45°	1323	1340	1372	1395	1401	1020
55°	989	998	1020	1038	1036	885
65°	653	654	662	666	666	645
75°	330	326	328	320	318	351
85°	70	70	68	62	61	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2205.8	2205.8	2205.8	2205.8	2205.8
2.5°	2207.8	2203.9	2198.0	2205.8	2209.8
5°	2198.0	2196.1	2194.1	2201.9	2205.8
7.5°	2180.4	2182.4	2180.4	2192.2	2196.1
10°	2159.0	2160.9	2162.9	2176.5	2180.4
12.5°	2131.6	2133.6	2139.4	2157.0	2162.9
15°	2094.5	2100.3	2110.1	2131.6	2139.4
17.5°	2055.4	2063.2	2076.9	2102.3	2110.1
20°	2008.5	2018.3	2037.8	2065.2	2074.9
22.5°	1955.8	1965.5	1992.9	2022.2	2032.0
25°	1903.0	1914.7	1942.1	1975.3	1985.1
27.5°	1840.5	1856.1	1885.4	1918.6	1926.5
30°	1776.0	1789.7	1824.9	1856.1	1869.8
32.5°	1711.5	1725.2	1758.4	1789.7	1799.5
35°	1635.3	1654.9	1688.1	1717.4	1727.2
37.5°	1561.1	1578.7	1613.8	1643.2	1652.9
40°	1482.9	1498.6	1535.7	1563.0	1570.9
42.5°	1404.8	1420.4	1457.5	1479.0	1486.8
45°	1322.7	1340.3	1371.6	1395.0	1400.9
47.5°	1240.7	1254.3	1283.7	1305.1	1313.0
50°	1156.7	1170.3	1199.6	1217.2	1221.1
52.5°	1072.6	1082.4	1109.8	1125.4	1131.3
55°	988.6	998.4	1019.9	1037.5	1035.5
57.5°	908.5	912.4	933.9	945.6	945.6
60°	818.6	822.6	840.1	848.0	849.9
62.5°	734.6	740.5	754.2	756.1	756.1
65°	652.6	654.5	662.3	666.2	666.2
67.5°	570.5	568.6	576.4	576.4	574.4
70°	484.5	488.5	490.4	486.5	484.5
72.5°	406.4	404.4	404.4	402.5	402.5
75°	330.2	326.3	328.2	320.4	318.5
77.5°	259.9	254.0	252.0	248.1	244.2
80°	187.6	187.6	185.6	181.7	179.8
82.5°	125.0	125.0	123.1	119.2	115.3
85°	70.3	70.3	68.4	62.5	60.6
87.5°	23.4	23.4	23.4	23.4	23.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)