

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: P297365

Luminaire Tested: **D3X-WO-55L82765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297365
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-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5239.0 lumens
Efficiency: N/A
Efficacy: 137.9 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

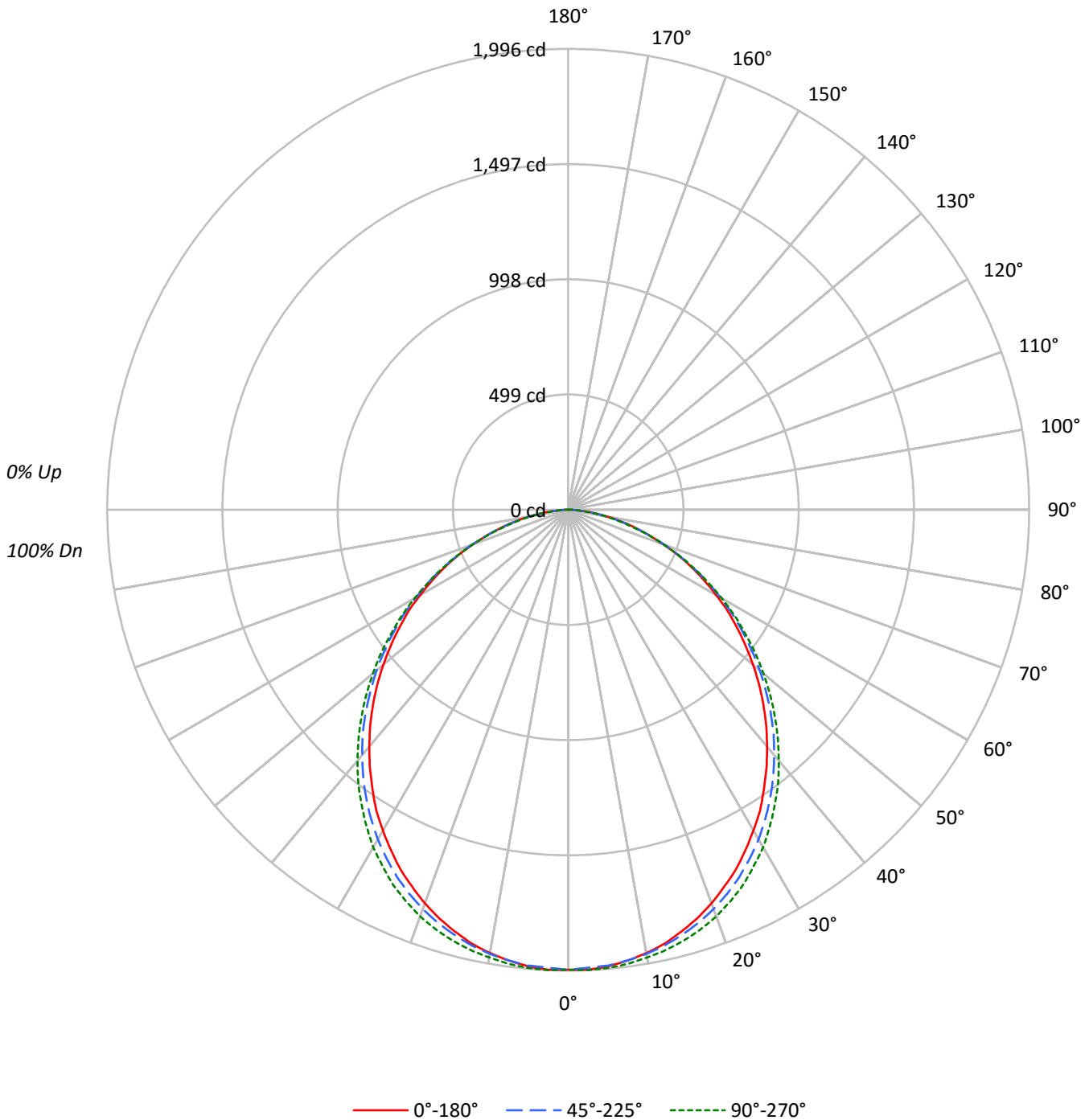
Input Watts (W): 38
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2681	2681	2681
5°	2682	2677	2691
10°	2664	2669	2691
15°	2635	2655	2692
20°	2598	2636	2684
25°	2552	2604	2662
30°	2492	2561	2624
35°	2426	2505	2563
40°	2353	2436	2492
45°	2273	2357	2408
50°	2187	2268	2309
55°	2095	2161	2194
60°	1990	2042	2066
65°	1877	1905	1916
70°	1722	1743	1722
75°	1551	1541	1496
80°	1313	1299	1258
85°	980	954	844



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.6	3.6
10°-20°	538.9	10.3
20°-30°	808.0	15.4
30°-40°	951.5	18.2
40°-50°	951.7	18.2
50°-60°	821.2	15.7
60°-70°	590.9	11.3
70°-80°	313.4	6.0
80°-90°	74.8	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°	1535.5	29.3
0°-40°	2487.1	47.5
0°-60°	4260.0	81.3
0°-90°	5239.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5239.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1992	1992	1992	1992	1992	
5°	1985	1984	1982	1989	1992	188
15°	1892	1897	1906	1925	1932	534
25°	1719	1730	1754	1784	1793	791
35°	1477	1495	1525	1551	1560	924
45°	1195	1211	1239	1260	1265	922
55°	893	902	921	937	935	799
65°	590	591	598	602	602	583
75°	298	295	296	289	288	317
85°	64	64	62	56	55	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1992.5	1992.5	1992.5	1992.5	1992.5
2.5°	1994.3	1990.7	1985.4	1992.5	1996.0
5°	1985.4	1983.7	1981.9	1989.0	1992.5
7.5°	1969.5	1971.3	1969.5	1980.1	1983.7
10°	1950.1	1951.9	1953.7	1966.0	1969.5
12.5°	1925.4	1927.2	1932.5	1948.4	1953.7
15°	1891.9	1897.2	1906.0	1925.4	1932.5
17.5°	1856.6	1863.7	1876.0	1899.0	1906.0
20°	1814.2	1823.1	1840.7	1865.4	1874.2
22.5°	1766.6	1775.4	1800.1	1826.6	1835.4
25°	1718.9	1729.5	1754.2	1784.2	1793.1
27.5°	1662.5	1676.6	1703.1	1733.1	1740.1
30°	1604.2	1616.6	1648.3	1676.6	1688.9
32.5°	1546.0	1558.3	1588.3	1616.6	1625.4
35°	1477.2	1494.8	1524.8	1551.3	1560.1
37.5°	1410.1	1426.0	1457.7	1484.2	1493.0
40°	1339.5	1353.6	1387.2	1411.9	1418.9
42.5°	1268.9	1283.0	1316.6	1336.0	1343.0
45°	1194.8	1210.7	1238.9	1260.1	1265.4
47.5°	1120.7	1133.0	1159.5	1178.9	1186.0
50°	1044.8	1057.1	1083.6	1099.5	1103.0
52.5°	968.9	977.7	1002.4	1016.5	1021.8
55°	893.0	901.8	921.2	937.1	935.4
57.5°	820.6	824.2	843.6	854.2	854.2
60°	739.5	743.0	758.9	765.9	767.7
62.5°	663.6	668.9	681.2	683.0	683.0
65°	589.5	591.2	598.3	601.8	601.8
67.5°	515.3	513.6	520.6	520.6	518.9
70°	437.7	441.2	443.0	439.4	437.7
72.5°	367.1	365.3	365.3	363.6	363.6
75°	298.3	294.7	296.5	289.4	287.7
77.5°	234.7	229.4	227.7	224.1	220.6
80°	169.4	169.4	167.7	164.1	162.4
82.5°	112.9	112.9	111.2	107.7	104.1
85°	63.5	63.5	61.8	56.5	54.7
87.5°	21.2	21.2	21.2	21.2	21.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)