

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: P297509

Luminaire Tested: **D3X-WO-55L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297509
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-55L92765-LD5-UNV-24-T1-W2A-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5129.0 lumens
Efficiency: N/A
Efficacy: 130.8 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

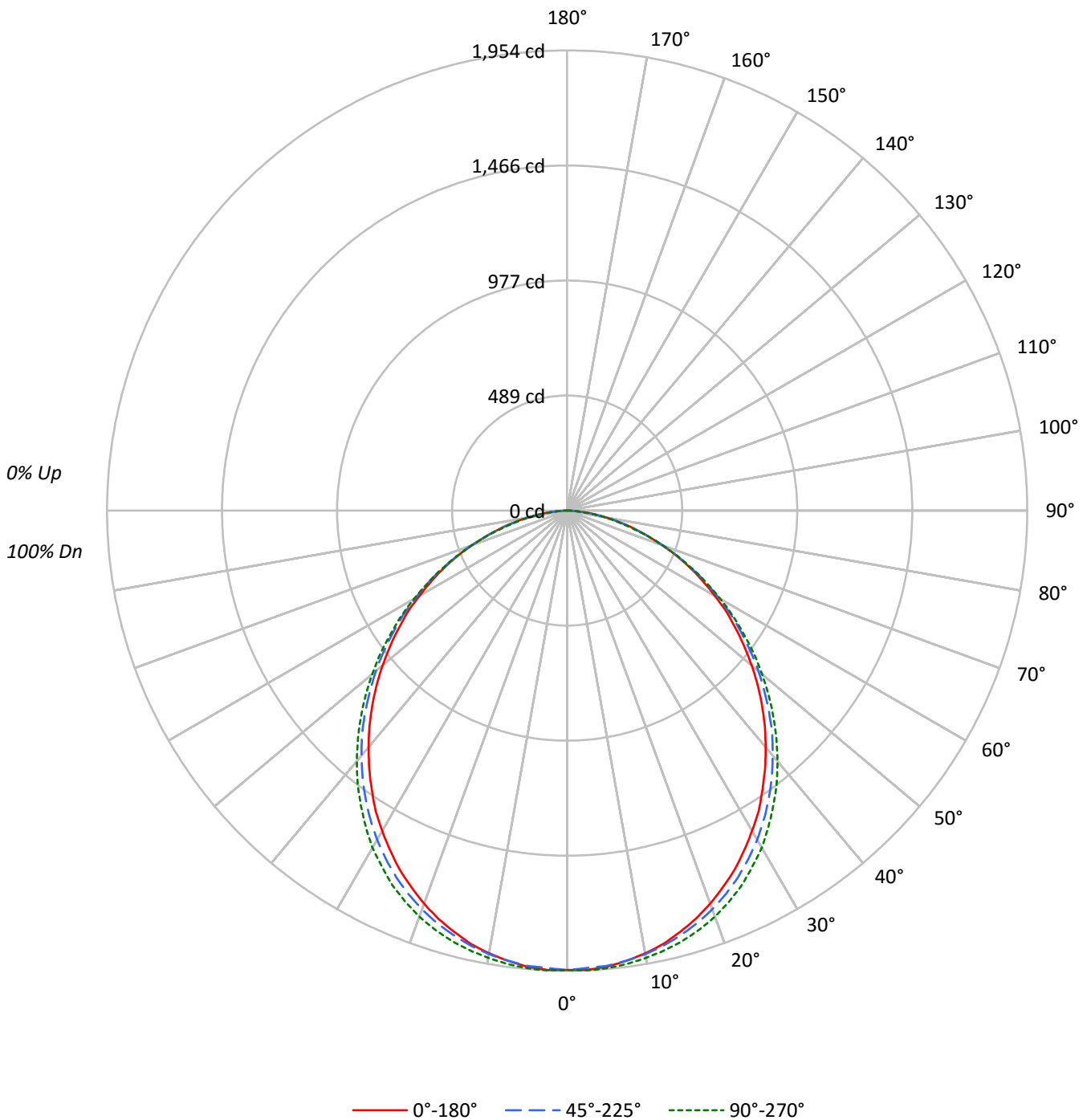
Input Watts (W): 39.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2625	2625	2625
5°	2625	2621	2635
10°	2608	2613	2634
15°	2580	2599	2635
20°	2543	2580	2627
25°	2498	2550	2606
30°	2440	2507	2569
35°	2375	2452	2509
40°	2303	2385	2440
45°	2226	2308	2357
50°	2141	2221	2260
55°	2051	2116	2148
60°	1948	1999	2023
65°	1837	1865	1876
70°	1686	1706	1686
75°	1518	1509	1464
80°	1285	1272	1232
85°	960	934	827



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.7	3.6
10°-20°	527.6	10.3
20°-30°	791.0	15.4
30°-40°	931.6	18.2
40°-50°	931.7	18.2
50°-60°	803.9	15.7
60°-70°	578.5	11.3
70°-80°	306.8	6.0
80°-90°	73.2	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°	1503.3	29.3
0°-40°	2434.9	47.5
0°-60°	4170.5	81.3
0°-90°	5129.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5129.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1951	1951	1951	1951	1951	
5°	1944	1942	1940	1947	1951	184
15°	1852	1857	1866	1885	1892	522
25°	1683	1693	1717	1747	1755	774
35°	1446	1463	1493	1519	1527	905
45°	1170	1185	1213	1234	1239	902
55°	874	883	902	917	916	782
65°	577	579	586	589	589	571
75°	292	288	290	283	282	311
85°	62	62	60	55	54	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1950.7	1950.7	1950.7	1950.7	1950.7
2.5°	1952.4	1948.9	1943.7	1950.7	1954.1
5°	1943.7	1942.0	1940.3	1947.2	1950.7
7.5°	1928.2	1929.9	1928.2	1938.6	1942.0
10°	1909.2	1910.9	1912.6	1924.7	1928.2
12.5°	1885.0	1886.7	1891.9	1907.5	1912.6
15°	1852.2	1857.4	1866.0	1885.0	1891.9
17.5°	1817.6	1824.5	1836.6	1859.1	1866.0
20°	1776.1	1784.8	1802.1	1826.3	1834.9
22.5°	1729.5	1738.1	1762.3	1788.2	1796.9
25°	1682.8	1693.2	1717.4	1746.8	1755.4
27.5°	1627.6	1641.4	1667.3	1696.7	1703.6
30°	1570.5	1582.6	1613.7	1641.4	1653.5
32.5°	1513.5	1525.6	1555.0	1582.6	1591.3
35°	1446.1	1463.4	1492.8	1518.7	1527.3
37.5°	1380.5	1396.0	1427.1	1453.1	1461.7
40°	1311.4	1325.2	1358.0	1382.2	1389.1
42.5°	1242.3	1256.1	1288.9	1307.9	1314.8
45°	1169.7	1185.3	1212.9	1233.6	1238.8
47.5°	1097.1	1109.2	1135.1	1154.2	1161.1
50°	1022.8	1034.9	1060.9	1076.4	1079.9
52.5°	948.5	957.2	981.4	995.2	1000.4
55°	874.3	882.9	901.9	917.4	915.7
57.5°	803.4	806.9	825.9	836.2	836.2
60°	723.9	727.4	742.9	749.9	751.6
62.5°	649.6	654.8	666.9	668.6	668.6
65°	577.1	578.8	585.7	589.2	589.2
67.5°	504.5	502.8	509.7	509.7	508.0
70°	428.5	431.9	433.7	430.2	428.5
72.5°	359.4	357.6	357.6	355.9	355.9
75°	292.0	288.5	290.3	283.4	281.6
77.5°	229.8	224.6	222.9	219.4	216.0
80°	165.9	165.9	164.1	160.7	159.0
82.5°	110.6	110.6	108.8	105.4	101.9
85°	62.2	62.2	60.5	55.3	53.6
87.5°	20.7	20.7	20.7	20.7	20.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)