

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: P297444

Luminaire Tested: **D3X-WO-67L93050-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297444
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-67L93050-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5210.0 lumens
Efficiency: N/A
Efficacy: 104.6 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

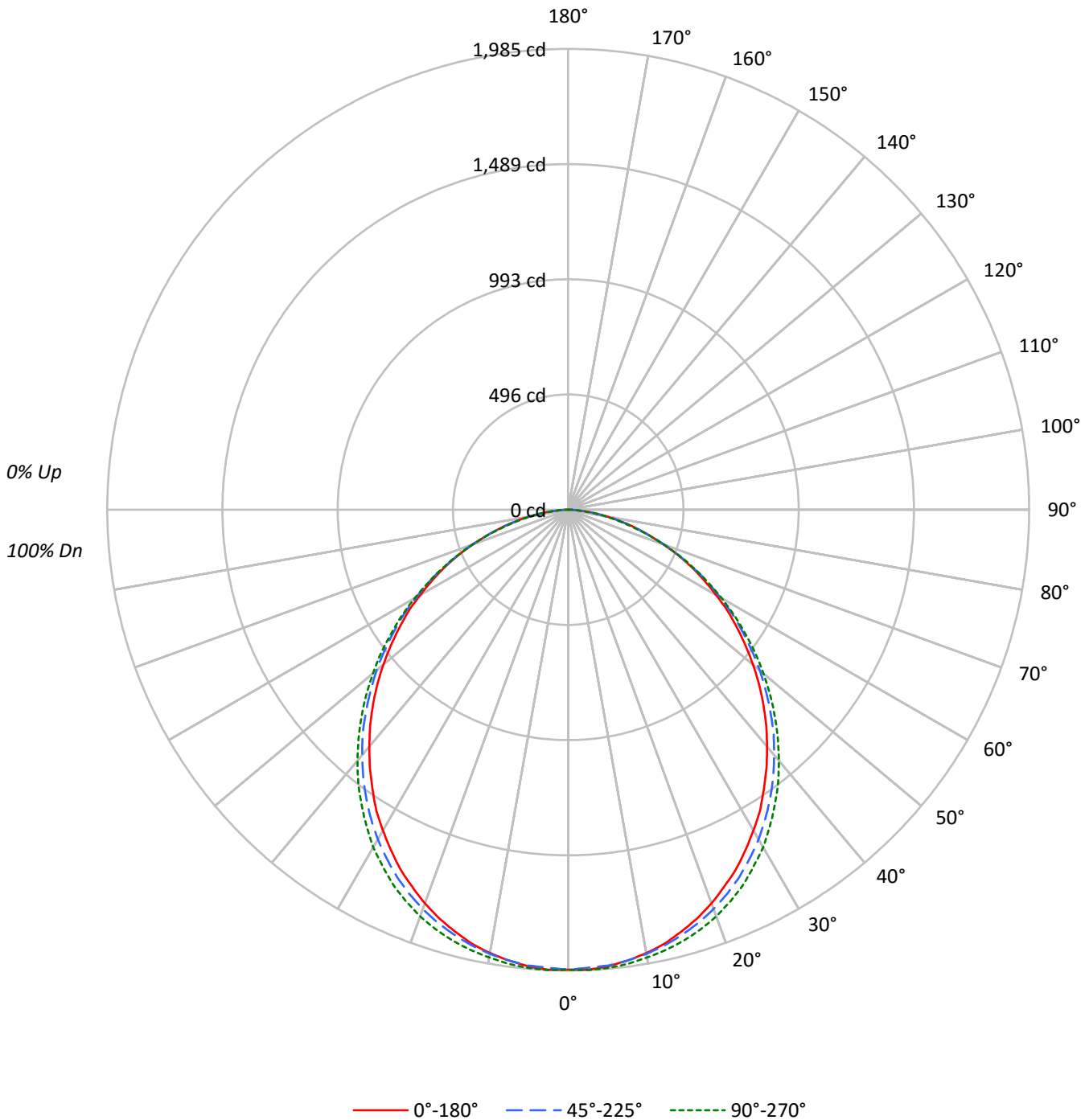
Input Watts (W): 49.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2666	2666	2666
5°	2667	2662	2676
10°	2650	2654	2676
15°	2621	2640	2677
20°	2583	2621	2669
25°	2538	2590	2647
30°	2479	2547	2609
35°	2413	2491	2548
40°	2340	2423	2478
45°	2261	2344	2394
50°	2175	2256	2296
55°	2083	2149	2182
60°	1979	2031	2054
65°	1866	1894	1905
70°	1712	1733	1712
75°	1542	1533	1487
80°	1306	1292	1251
85°	976	948	840



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.6	3.6
10°-20°	535.9	10.3
20°-30°	803.5	15.4
30°-40°	946.3	18.2
40°-50°	946.4	18.2
50°-60°	816.6	15.7
60°-70°	587.6	11.3
70°-80°	311.7	6.0
80°-90°	74.3	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°	1527.0	29.3
0°-40°	2473.3	47.5
0°-60°	4236.4	81.3
0°-90°	5210.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5210.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1982	1982	1982	1982	1982	
5°	1974	1973	1971	1978	1982	187
15°	1881	1887	1896	1915	1922	531
25°	1709	1720	1744	1774	1783	786
35°	1469	1486	1516	1543	1552	919
45°	1188	1204	1232	1253	1258	917
55°	888	897	916	932	930	795
65°	586	588	595	598	598	580
75°	297	293	295	288	286	316
85°	63	63	61	56	54	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1981.5	1981.5	1981.5	1981.5	1981.5
2.5°	1983.2	1979.7	1974.4	1981.5	1985.0
5°	1974.4	1972.7	1970.9	1977.9	1981.5
7.5°	1958.6	1960.4	1958.6	1969.2	1972.7
10°	1939.3	1941.1	1942.8	1955.1	1958.6
12.5°	1914.8	1916.5	1921.8	1937.6	1942.8
15°	1881.4	1886.7	1895.5	1914.8	1921.8
17.5°	1846.3	1853.3	1865.6	1888.4	1895.5
20°	1804.2	1813.0	1830.5	1855.1	1863.9
22.5°	1756.8	1765.6	1790.2	1816.5	1825.3
25°	1709.4	1720.0	1744.5	1774.4	1783.1
27.5°	1653.3	1667.3	1693.6	1723.5	1730.5
30°	1595.3	1607.6	1639.2	1667.3	1679.6
32.5°	1537.4	1549.7	1579.6	1607.6	1616.4
35°	1469.0	1486.5	1516.4	1542.7	1551.5
37.5°	1402.3	1418.1	1449.7	1476.0	1484.8
40°	1332.1	1346.1	1379.5	1404.0	1411.1
42.5°	1261.9	1275.9	1309.3	1328.6	1335.6
45°	1188.2	1204.0	1232.0	1253.1	1258.4
47.5°	1114.5	1126.7	1153.1	1172.4	1179.4
50°	1039.0	1051.3	1077.6	1093.4	1096.9
52.5°	963.5	972.3	996.9	1010.9	1016.2
55°	888.1	896.8	916.1	931.9	930.2
57.5°	816.1	819.6	838.9	849.4	849.4
60°	735.4	738.9	754.7	761.7	763.4
62.5°	659.9	665.2	677.5	679.2	679.2
65°	586.2	587.9	595.0	598.5	598.5
67.5°	512.5	510.7	517.7	517.7	516.0
70°	435.3	438.8	440.5	437.0	435.3
72.5°	365.1	363.3	363.3	361.5	361.5
75°	296.6	293.1	294.8	287.8	286.1
77.5°	233.4	228.2	226.4	222.9	219.4
80°	168.5	168.5	166.7	163.2	161.5
82.5°	112.3	112.3	110.6	107.1	103.5
85°	63.2	63.2	61.4	56.2	54.4
87.5°	21.1	21.1	21.1	21.1	21.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)