

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: P297525

Luminaire Tested: **D3X-WO-67L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297525
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-67L92765-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5915.0 lumens
Efficiency: N/A
Efficacy: 120.2 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

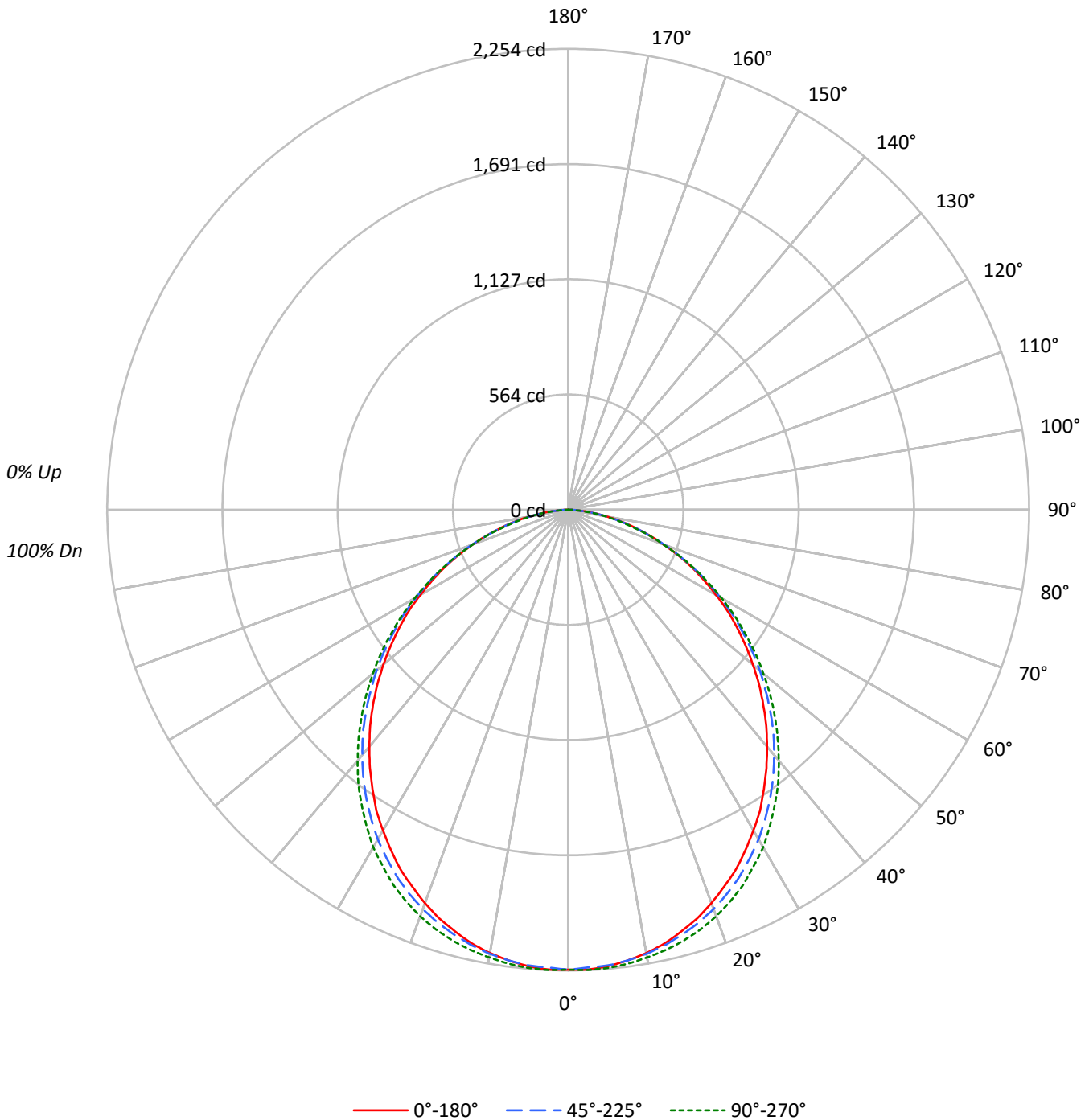
Input Watts (W): 49.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3027	3027	3027
5°	3028	3022	3038
10°	3008	3014	3038
15°	2975	2997	3039
20°	2933	2976	3030
25°	2881	2940	3005
30°	2814	2891	2963
35°	2739	2828	2893
40°	2656	2751	2814
45°	2567	2662	2719
50°	2469	2561	2607
55°	2365	2440	2477
60°	2247	2306	2333
65°	2119	2151	2163
70°	1944	1967	1944
75°	1750	1740	1688
80°	1482	1467	1420
85°	1107	1076	954



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.0	3.6
10°-20°	608.4	10.3
20°-30°	912.3	15.4
30°-40°	1074.3	18.2
40°-50°	1074.5	18.2
50°-60°	927.1	15.7
60°-70°	667.1	11.3
70°-80°	353.9	6.0
80°-90°	84.4	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°	1733.7	29.3
0°-40°	2808.0	47.5
0°-60°	4809.6	81.3
0°-90°	5915.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5915.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2250	2250	2250	2250	2250	
5°	2242	2240	2238	2246	2250	213
15°	2136	2142	2152	2174	2182	602
25°	1941	1953	1981	2014	2024	893
35°	1668	1688	1722	1751	1761	1043
45°	1349	1367	1399	1423	1429	1041
55°	1008	1018	1040	1058	1056	902
65°	666	668	676	680	680	658
75°	337	333	335	327	325	358
85°	72	72	70	64	62	87
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2249.6	2249.6	2249.6	2249.6	2249.6
2.5°	2251.6	2247.6	2241.6	2249.6	2253.6
5°	2241.6	2239.6	2237.6	2245.6	2249.6
7.5°	2223.7	2225.7	2223.7	2235.6	2239.6
10°	2201.8	2203.8	2205.7	2219.7	2223.7
12.5°	2173.9	2175.9	2181.8	2199.8	2205.7
15°	2136.0	2142.0	2151.9	2173.9	2181.8
17.5°	2096.2	2104.1	2118.1	2144.0	2151.9
20°	2048.3	2058.3	2078.2	2106.1	2116.1
22.5°	1994.5	2004.5	2032.4	2062.3	2072.2
25°	1940.7	1952.7	1980.6	2014.5	2024.4
27.5°	1877.0	1892.9	1922.8	1956.7	1964.6
30°	1811.2	1825.2	1861.0	1892.9	1906.9
32.5°	1745.5	1759.4	1793.3	1825.2	1835.1
35°	1667.8	1687.7	1721.6	1751.4	1761.4
37.5°	1592.0	1610.0	1645.8	1675.7	1685.7
40°	1512.3	1528.3	1566.1	1594.0	1602.0
42.5°	1432.6	1448.6	1486.4	1508.4	1516.3
45°	1349.0	1366.9	1398.8	1422.7	1428.7
47.5°	1265.3	1279.2	1309.1	1331.0	1339.0
50°	1179.6	1193.5	1223.4	1241.4	1245.3
52.5°	1093.9	1103.9	1131.8	1147.7	1153.7
55°	1008.2	1018.2	1040.1	1058.0	1056.0
57.5°	926.5	930.5	952.4	964.4	964.4
60°	834.9	838.9	856.8	864.8	866.8
62.5°	749.2	755.2	769.1	771.1	771.1
65°	665.5	667.5	675.5	679.5	679.5
67.5°	581.8	579.8	587.8	587.8	585.8
70°	494.2	498.1	500.1	496.1	494.2
72.5°	414.4	412.5	412.5	410.5	410.5
75°	336.7	332.8	334.7	326.8	324.8
77.5°	265.0	259.0	257.0	253.1	249.1
80°	191.3	191.3	189.3	185.3	183.3
82.5°	127.5	127.5	125.5	121.5	117.6
85°	71.7	71.7	69.7	63.8	61.8
87.5°	23.9	23.9	23.9	23.9	23.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)