

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: P297448

Luminaire Tested: **D3X-WO-67L93050-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297448
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-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: 6255.0 lumens
Efficiency: N/A
Efficacy: 123.4 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

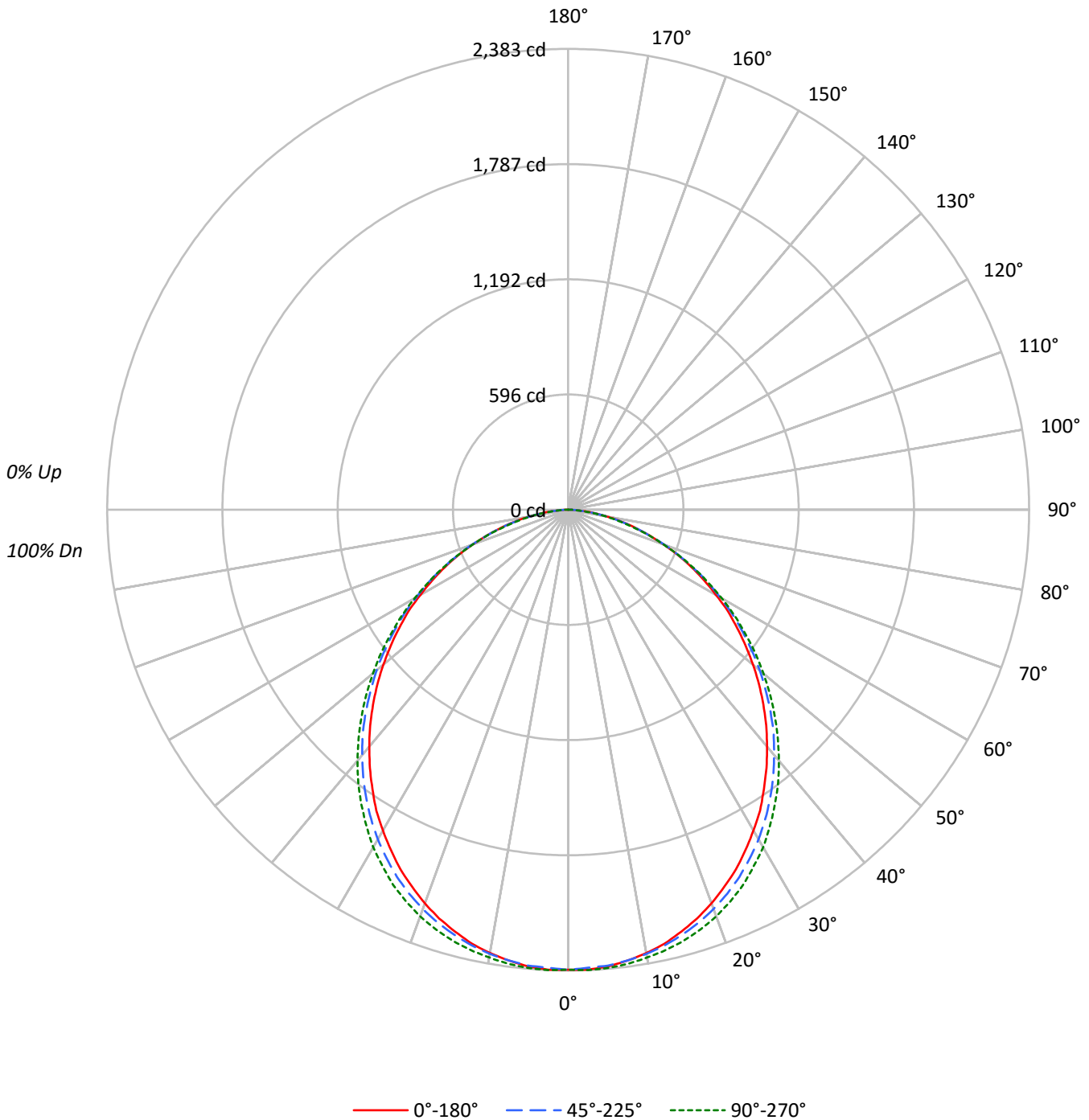
Input Watts (W): 50.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3201	3201	3201
5°	3202	3196	3213
10°	3181	3187	3213
15°	3146	3170	3214
20°	3102	3147	3204
25°	3047	3109	3178
30°	2976	3058	3133
35°	2897	2990	3060
40°	2809	2909	2976
45°	2714	2815	2875
50°	2611	2708	2757
55°	2501	2580	2620
60°	2376	2438	2467
65°	2241	2274	2287
70°	2056	2081	2056
75°	1851	1840	1786
80°	1567	1551	1502
85°	1172	1138	1008



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.2	3.6
10°-20°	643.4	10.3
20°-30°	964.7	15.4
30°-40°	1136.1	18.2
40°-50°	1136.3	18.2
50°-60°	980.4	15.7
60°-70°	705.5	11.3
70°-80°	374.2	6.0
80°-90°	89.2	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°	1833.3	29.3
0°-40°	2969.4	47.5
0°-60°	5086.1	81.3
0°-90°	6255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6255.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2379	2379	2379	2379	2379	
5°	2370	2368	2366	2375	2379	225
15°	2259	2265	2276	2299	2307	637
25°	2052	2065	2094	2130	2141	944
35°	1764	1785	1820	1852	1863	1103
45°	1426	1446	1479	1504	1511	1100
55°	1066	1077	1100	1119	1117	954
65°	704	706	714	718	718	696
75°	356	352	354	346	344	379
85°	76	76	74	67	65	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2378.9	2378.9	2378.9	2378.9	2378.9
2.5°	2381.0	2376.8	2370.5	2378.9	2383.1
5°	2370.5	2368.4	2366.2	2374.7	2378.9
7.5°	2351.5	2353.6	2351.5	2364.1	2368.4
10°	2328.3	2330.4	2332.5	2347.3	2351.5
12.5°	2298.8	2300.9	2307.3	2326.2	2332.5
15°	2258.8	2265.1	2275.6	2298.8	2307.3
17.5°	2216.6	2225.1	2239.8	2267.2	2275.6
20°	2166.1	2176.6	2197.7	2227.2	2237.7
22.5°	2109.2	2119.7	2149.2	2180.8	2191.4
25°	2052.3	2064.9	2094.4	2130.3	2140.8
27.5°	1984.9	2001.7	2033.3	2069.2	2077.6
30°	1915.3	1930.1	1968.0	2001.7	2016.5
32.5°	1845.8	1860.6	1896.4	1930.1	1940.6
35°	1763.6	1784.7	1820.5	1852.1	1862.7
37.5°	1683.6	1702.5	1740.4	1772.1	1782.6
40°	1599.3	1616.1	1656.2	1685.7	1694.1
42.5°	1515.0	1531.8	1571.9	1595.1	1603.5
45°	1426.5	1445.5	1479.2	1504.5	1510.8
47.5°	1338.0	1352.7	1384.4	1407.5	1416.0
50°	1247.4	1262.1	1293.7	1312.7	1316.9
52.5°	1156.8	1167.3	1196.8	1213.7	1220.0
55°	1066.2	1076.7	1099.9	1118.9	1116.8
57.5°	979.8	984.0	1007.2	1019.8	1019.8
60°	882.9	887.1	906.0	914.5	916.6
62.5°	792.3	798.6	813.3	815.4	815.4
65°	703.8	705.9	714.3	718.5	718.5
67.5°	615.3	613.2	621.6	621.6	619.5
70°	522.6	526.8	528.9	524.7	522.6
72.5°	438.3	436.2	436.2	434.1	434.1
75°	356.1	351.9	354.0	345.6	343.5
77.5°	280.2	273.9	271.8	267.6	263.4
80°	202.3	202.3	200.2	196.0	193.9
82.5°	134.9	134.9	132.7	128.5	124.3
85°	75.9	75.9	73.7	67.4	65.3
87.5°	25.3	25.3	25.3	25.3	25.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)