

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: P297304

Luminaire Tested: **D3X-WO-67L83050-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297304
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-67L83050-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: 6329.0 lumens
Efficiency: N/A
Efficacy: 130.5 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

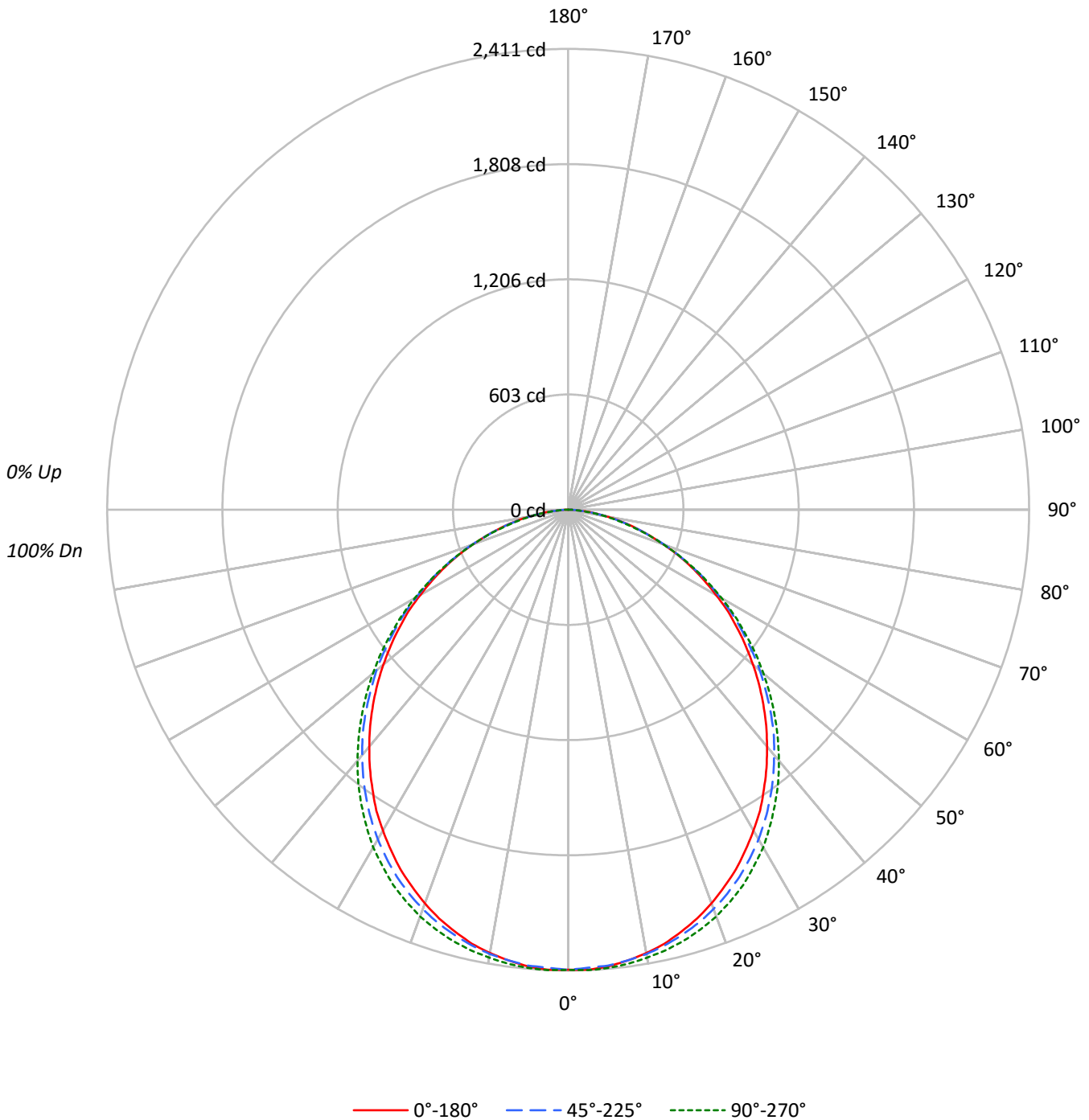
Input Watts (W): 48.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3239	3239	3239
5°	3239	3234	3251
10°	3219	3224	3251
15°	3184	3207	3252
20°	3138	3184	3242
25°	3083	3146	3216
30°	3011	3094	3170
35°	2931	3026	3096
40°	2842	2943	3011
45°	2747	2848	2909
50°	2642	2740	2789
55°	2531	2611	2651
60°	2404	2467	2496
65°	2267	2301	2315
70°	2080	2105	2080
75°	1873	1862	1807
80°	1586	1569	1519
85°	1186	1152	1020



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.9	3.6
10°-20°	651.0	10.3
20°-30°	976.1	15.4
30°-40°	1149.5	18.2
40°-50°	1149.7	18.2
50°-60°	992.0	15.7
60°-70°	713.8	11.3
70°-80°	378.6	6.0
80°-90°	90.3	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°	1855.0	29.3
0°-40°	3004.5	47.5
0°-60°	5146.3	81.3
0°-90°	6329.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6329.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2407	2407	2407	2407	2407	
5°	2398	2396	2394	2403	2407	228
15°	2286	2292	2303	2326	2334	645
25°	2077	2089	2119	2156	2166	955
35°	1784	1806	1842	1874	1885	1116
45°	1443	1463	1497	1522	1529	1113
55°	1079	1090	1113	1132	1130	965
65°	712	714	723	727	727	704
75°	360	356	358	350	348	383
85°	77	77	75	68	66	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2407.0	2407.0	2407.0	2407.0	2407.0
2.5°	2409.2	2404.9	2398.5	2407.0	2411.3
5°	2398.5	2396.4	2394.2	2402.8	2407.0
7.5°	2379.3	2381.5	2379.3	2392.1	2396.4
10°	2355.9	2358.0	2360.1	2375.1	2379.3
12.5°	2326.0	2328.2	2334.5	2353.7	2360.1
15°	2285.5	2291.9	2302.6	2326.0	2334.5
17.5°	2242.9	2251.4	2266.3	2294.0	2302.6
20°	2191.7	2202.4	2223.7	2253.5	2264.2
22.5°	2134.1	2144.8	2174.6	2206.6	2217.3
25°	2076.6	2089.4	2119.2	2155.5	2166.1
27.5°	2008.4	2025.4	2057.4	2093.6	2102.2
30°	1938.0	1952.9	1991.3	2025.4	2040.3
32.5°	1867.6	1882.6	1918.8	1952.9	1963.6
35°	1784.5	1805.8	1842.1	1874.0	1884.7
37.5°	1703.5	1722.7	1761.0	1793.0	1803.7
40°	1618.2	1635.2	1675.8	1705.6	1714.1
42.5°	1532.9	1550.0	1590.5	1613.9	1622.5
45°	1443.4	1462.6	1496.7	1522.3	1528.6
47.5°	1353.8	1368.7	1400.7	1424.2	1432.7
50°	1262.1	1277.1	1309.1	1328.2	1332.5
52.5°	1170.5	1181.1	1211.0	1228.0	1234.4
55°	1078.8	1089.5	1112.9	1132.1	1130.0
57.5°	991.4	995.6	1019.1	1031.9	1031.9
60°	893.3	897.6	916.8	925.3	927.4
62.5°	801.6	808.0	823.0	825.1	825.1
65°	712.1	714.2	722.8	727.0	727.0
67.5°	622.5	620.4	628.9	628.9	626.8
70°	528.7	533.0	535.1	530.9	528.7
72.5°	443.5	441.3	441.3	439.2	439.2
75°	360.3	356.0	358.2	349.6	347.5
77.5°	283.6	277.2	275.0	270.8	266.5
80°	204.7	204.7	202.5	198.3	196.1
82.5°	136.4	136.4	134.3	130.1	125.8
85°	76.8	76.8	74.6	68.2	66.1
87.5°	25.6	25.6	25.6	25.6	25.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)