

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: P297383

Luminaire Tested: **D3X-WO-67L82765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297383
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-67L82765-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: 6323.0 lumens
Efficiency: N/A
Efficacy: 130.9 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

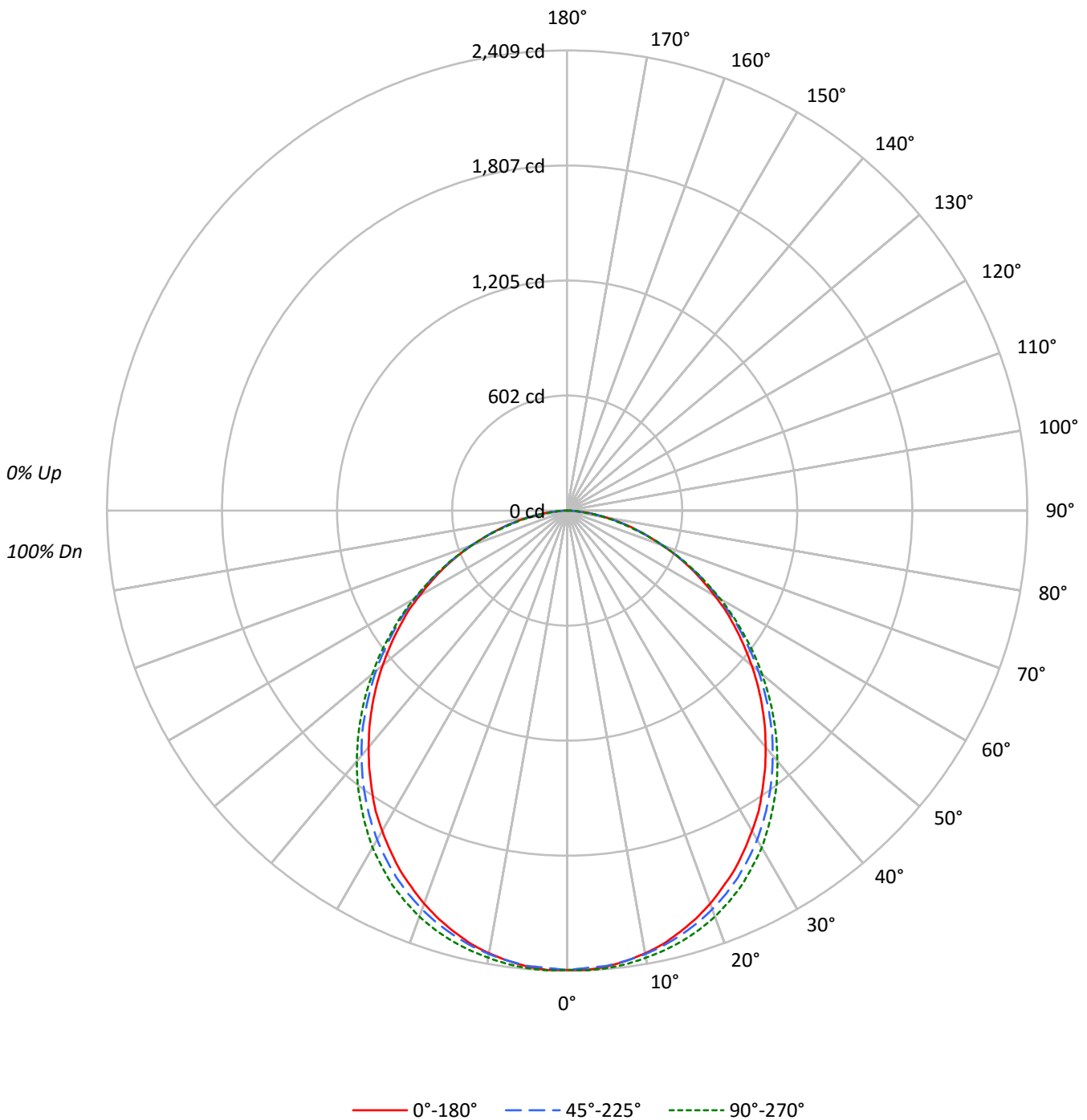
Input Watts (W): 48.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3236	3236	3236
5°	3236	3231	3248
10°	3216	3221	3248
15°	3181	3204	3249
20°	3135	3181	3239
25°	3080	3143	3213
30°	3008	3091	3167
35°	2928	3023	3093
40°	2840	2941	3008
45°	2744	2845	2906
50°	2640	2737	2786
55°	2528	2608	2648
60°	2402	2465	2493
65°	2265	2299	2312
70°	2078	2103	2078
75°	1871	1860	1805
80°	1585	1567	1519
85°	1184	1150	1019



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.7	3.6
10°-20°	650.4	10.3
20°-30°	975.2	15.4
30°-40°	1148.4	18.2
40°-50°	1148.6	18.2
50°-60°	991.1	15.7
60°-70°	713.1	11.3
70°-80°	378.3	6.0
80°-90°	90.2	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°	1853.3	29.3
0°-40°	3001.7	47.5
0°-60°	5141.4	81.3
0°-90°	6323.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6323.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2405	2405	2405	2405	2405	
5°	2396	2394	2392	2400	2405	227
15°	2283	2290	2300	2324	2332	644
25°	2075	2087	2117	2153	2164	954
35°	1783	1804	1840	1872	1883	1115
45°	1442	1461	1495	1521	1527	1112
55°	1078	1088	1112	1131	1129	965
65°	711	714	722	726	726	704
75°	360	356	358	349	347	383
85°	77	77	74	68	66	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2404.8	2404.8	2404.8	2404.8	2404.8
2.5°	2406.9	2402.6	2396.2	2404.8	2409.0
5°	2396.2	2394.1	2392.0	2400.5	2404.8
7.5°	2377.1	2379.2	2377.1	2389.8	2394.1
10°	2353.6	2355.8	2357.9	2372.8	2377.1
12.5°	2323.8	2325.9	2332.3	2351.5	2357.9
15°	2283.3	2289.7	2300.4	2323.8	2332.3
17.5°	2240.7	2249.3	2264.2	2291.9	2300.4
20°	2189.6	2200.3	2221.6	2251.4	2262.0
22.5°	2132.1	2142.8	2172.6	2204.5	2215.2
25°	2074.6	2087.4	2117.2	2153.4	2164.1
27.5°	2006.4	2023.5	2055.4	2091.6	2100.2
30°	1936.2	1951.1	1989.4	2023.5	2038.4
32.5°	1865.9	1880.8	1917.0	1951.1	1961.7
35°	1782.8	1804.1	1840.3	1872.3	1882.9
37.5°	1701.9	1721.0	1759.4	1791.3	1802.0
40°	1616.7	1633.7	1674.2	1704.0	1712.5
42.5°	1531.5	1548.5	1589.0	1612.4	1620.9
45°	1442.0	1461.2	1495.2	1520.8	1527.2
47.5°	1352.5	1367.5	1399.4	1422.8	1431.4
50°	1261.0	1275.9	1307.8	1327.0	1331.2
52.5°	1169.4	1180.0	1209.8	1226.9	1233.3
55°	1077.8	1088.4	1111.9	1131.0	1128.9
57.5°	990.4	994.7	1018.1	1030.9	1030.9
60°	892.5	896.7	915.9	924.4	926.5
62.5°	800.9	807.3	822.2	824.3	824.3
65°	711.4	713.5	722.1	726.3	726.3
67.5°	622.0	619.8	628.3	628.3	626.2
70°	528.2	532.5	534.6	530.4	528.2
72.5°	443.0	440.9	440.9	438.8	438.8
75°	360.0	355.7	357.8	349.3	347.2
77.5°	283.3	276.9	274.8	270.5	266.2
80°	204.5	204.5	202.3	198.1	196.0
82.5°	136.3	136.3	134.2	129.9	125.7
85°	76.7	76.7	74.5	68.2	66.0
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)