

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: P297528

Luminaire Tested: **D3X-WO-67L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297528
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-5500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6286.0 lumens
Efficiency: N/A
Efficacy: 125.7 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

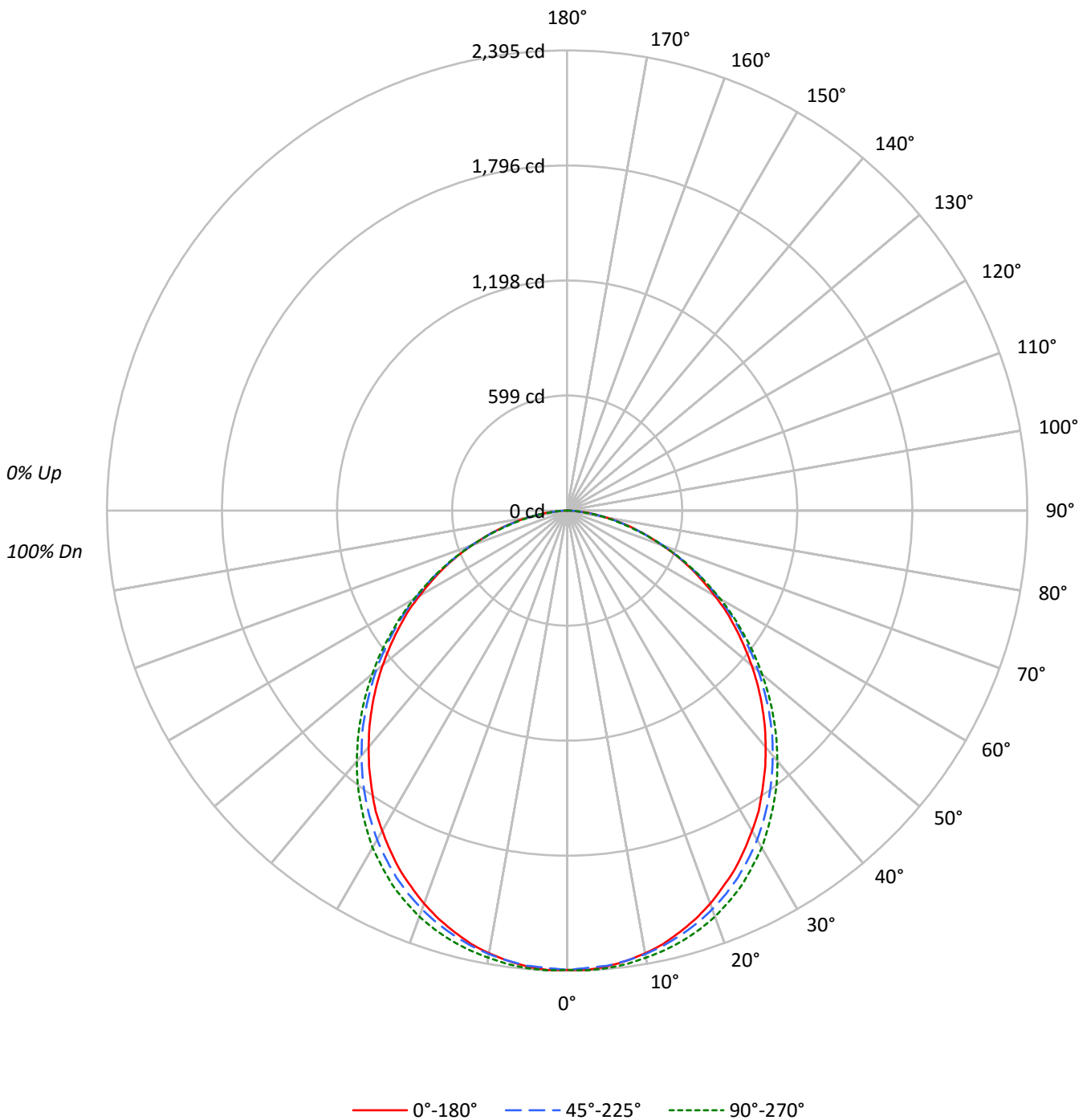
Input Watts (W): 50
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3217	3217	3217
5°	3217	3212	3229
10°	3197	3203	3229
15°	3162	3186	3230
20°	3117	3162	3220
25°	3062	3125	3194
30°	2990	3073	3148
35°	2911	3005	3075
40°	2823	2923	2990
45°	2728	2829	2889
50°	2624	2722	2770
55°	2514	2593	2633
60°	2387	2450	2479
65°	2252	2285	2299
70°	2066	2091	2066
75°	1861	1849	1795
80°	1575	1559	1509
85°	1176	1144	1013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.4	3.6
10°-20°	646.6	10.3
20°-30°	969.5	15.4
30°-40°	1141.7	18.2
40°-50°	1141.9	18.2
50°-60°	985.3	15.7
60°-70°	709.0	11.3
70°-80°	376.0	6.0
80°-90°	89.7	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°	1842.4	29.3
0°-40°	2984.1	47.5
0°-60°	5111.3	81.3
0°-90°	6286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6286.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2391	2391	2391	2391	2391	
5°	2382	2380	2378	2386	2391	226
15°	2270	2276	2287	2310	2319	640
25°	2062	2075	2105	2141	2151	949
35°	1772	1794	1830	1861	1872	1109
45°	1434	1453	1486	1512	1518	1106
55°	1072	1082	1105	1124	1122	959
65°	707	709	718	722	722	699
75°	358	354	356	347	345	381
85°	76	76	74	68	66	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2390.7	2390.7	2390.7	2390.7	2390.7
2.5°	2392.8	2388.6	2382.2	2390.7	2394.9
5°	2382.2	2380.1	2378.0	2386.4	2390.7
7.5°	2363.2	2365.3	2363.2	2375.9	2380.1
10°	2339.9	2342.0	2344.1	2358.9	2363.2
12.5°	2310.2	2312.3	2318.7	2337.7	2344.1
15°	2270.0	2276.3	2286.9	2310.2	2318.7
17.5°	2227.6	2236.1	2250.9	2278.5	2286.9
20°	2176.8	2187.4	2208.6	2238.2	2248.8
22.5°	2119.6	2130.2	2159.9	2191.6	2202.2
25°	2062.5	2075.2	2104.8	2140.8	2151.4
27.5°	1994.7	2011.6	2043.4	2079.4	2087.9
30°	1924.8	1939.6	1977.8	2011.6	2026.5
32.5°	1854.9	1869.8	1905.8	1939.6	1950.2
35°	1772.4	1793.5	1829.5	1861.3	1871.9
37.5°	1691.9	1711.0	1749.1	1780.8	1791.4
40°	1607.2	1624.1	1664.4	1694.0	1702.5
42.5°	1522.5	1539.4	1579.7	1603.0	1611.4
45°	1433.6	1452.6	1486.5	1511.9	1518.3
47.5°	1344.6	1359.4	1391.2	1414.5	1423.0
50°	1253.6	1268.4	1300.2	1319.2	1323.5
52.5°	1162.5	1173.1	1202.8	1219.7	1226.0
55°	1071.5	1082.1	1105.3	1124.4	1122.3
57.5°	984.6	988.9	1012.2	1024.9	1024.9
60°	887.2	891.5	910.5	919.0	921.1
62.5°	796.2	802.5	817.4	819.5	819.5
65°	707.3	709.4	717.8	722.1	722.1
67.5°	618.3	616.2	624.7	624.7	622.6
70°	525.1	529.4	531.5	527.3	525.1
72.5°	440.4	438.3	438.3	436.2	436.2
75°	357.9	353.6	355.7	347.3	345.2
77.5°	281.6	275.3	273.2	268.9	264.7
80°	203.3	203.3	201.2	196.9	194.8
82.5°	135.5	135.5	133.4	129.2	124.9
85°	76.2	76.2	74.1	67.8	65.6
87.5°	25.4	25.4	25.4	25.4	25.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)