

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: P297527

Luminaire Tested: **D3X-WO-67L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297527
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-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: 6191.0 lumens
Efficiency: N/A
Efficacy: 124.3 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

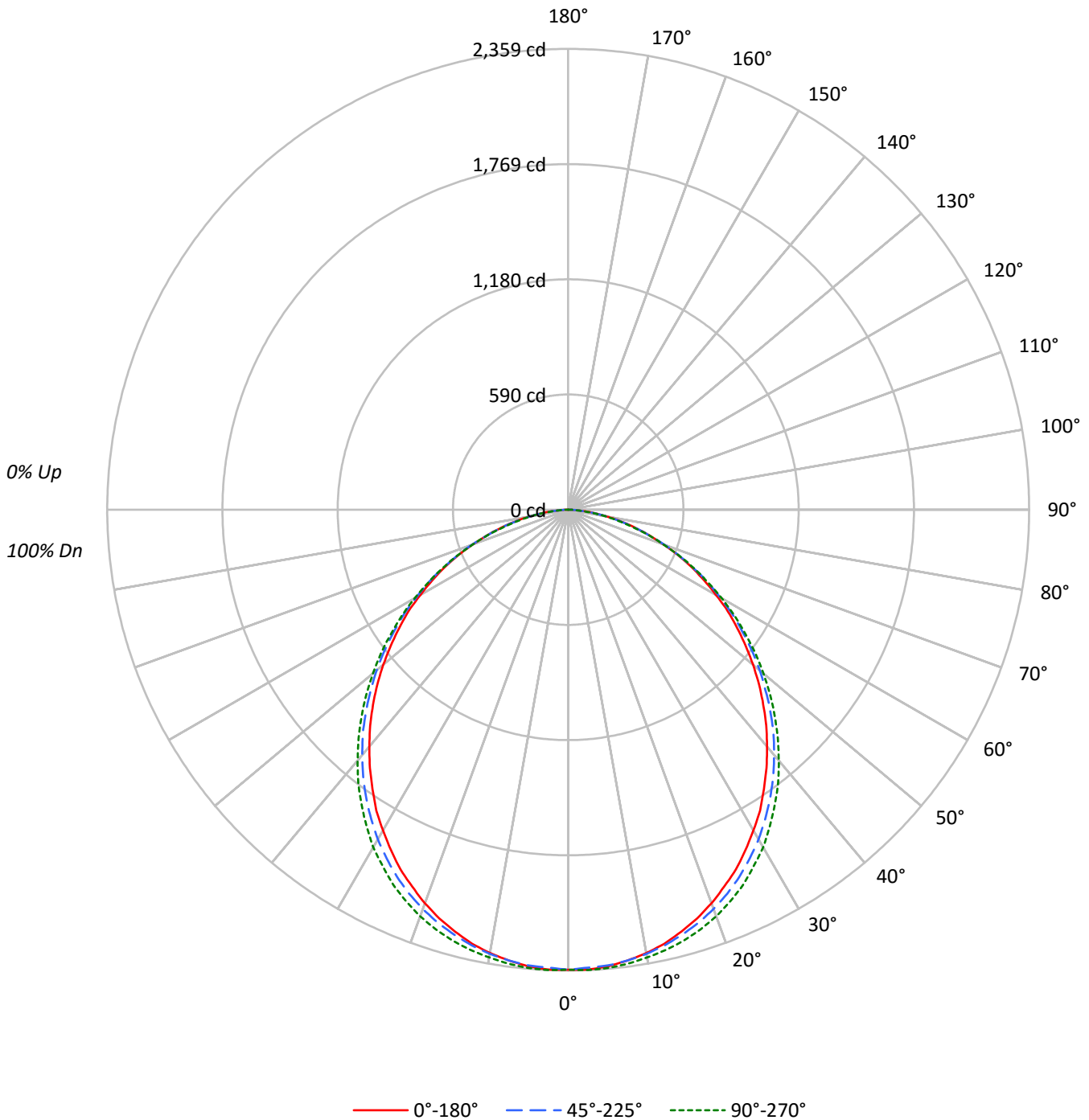
Input Watts (W): 49.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3168	3168	3168
5°	3169	3163	3180
10°	3149	3154	3180
15°	3114	3137	3181
20°	3070	3115	3171
25°	3016	3078	3146
30°	2945	3026	3101
35°	2867	2960	3028
40°	2780	2879	2945
45°	2687	2786	2845
50°	2584	2680	2728
55°	2476	2554	2593
60°	2351	2413	2441
65°	2218	2251	2264
70°	2035	2059	2035
75°	1832	1822	1767
80°	1551	1535	1487
85°	1159	1127	999



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.9	3.6
10°-20°	636.8	10.3
20°-30°	954.8	15.4
30°-40°	1124.5	18.2
40°-50°	1124.6	18.2
50°-60°	970.4	15.7
60°-70°	698.2	11.3
70°-80°	370.4	6.0
80°-90°	88.3	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°	1814.6	29.3
0°-40°	2939.0	47.5
0°-60°	5034.0	81.3
0°-90°	6191.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6191.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2355	2355	2355	2355	2355	
5°	2346	2344	2342	2350	2355	223
15°	2236	2242	2252	2275	2284	630
25°	2031	2044	2073	2108	2119	934
35°	1746	1766	1802	1833	1844	1092
45°	1412	1431	1464	1489	1495	1089
55°	1055	1066	1089	1107	1105	944
65°	697	699	707	711	711	689
75°	352	348	350	342	340	375
85°	75	75	73	67	65	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2354.6	2354.6	2354.6	2354.6	2354.6
2.5°	2356.6	2352.5	2346.2	2354.6	2358.7
5°	2346.2	2344.1	2342.0	2350.4	2354.6
7.5°	2327.4	2329.5	2327.4	2340.0	2344.1
10°	2304.5	2306.6	2308.7	2323.3	2327.4
12.5°	2275.3	2277.4	2283.6	2302.4	2308.7
15°	2235.7	2241.9	2252.4	2275.3	2283.6
17.5°	2194.0	2202.3	2216.9	2244.0	2252.4
20°	2143.9	2154.3	2175.2	2204.4	2214.8
22.5°	2087.6	2098.0	2127.2	2158.5	2168.9
25°	2031.3	2043.8	2073.0	2108.5	2118.9
27.5°	1964.6	1981.2	2012.5	2048.0	2056.3
30°	1895.7	1910.3	1947.9	1981.2	1995.8
32.5°	1826.9	1841.5	1877.0	1910.3	1920.8
35°	1745.6	1766.4	1801.9	1833.2	1843.6
37.5°	1666.3	1685.1	1722.6	1753.9	1764.3
40°	1582.9	1599.6	1639.2	1668.4	1676.8
42.5°	1499.5	1516.2	1555.8	1578.7	1587.1
45°	1411.9	1430.7	1464.0	1489.1	1495.3
47.5°	1324.3	1338.9	1370.2	1393.1	1401.5
50°	1234.6	1249.2	1280.5	1299.3	1303.4
52.5°	1145.0	1155.4	1184.6	1201.3	1207.5
55°	1055.3	1065.7	1088.6	1107.4	1105.3
57.5°	969.8	973.9	996.9	1009.4	1009.4
60°	873.8	878.0	896.8	905.1	907.2
62.5°	784.2	790.4	805.0	807.1	807.1
65°	696.6	698.6	707.0	711.2	711.2
67.5°	609.0	606.9	615.2	615.2	613.1
70°	517.2	521.4	523.5	519.3	517.2
72.5°	433.8	431.7	431.7	429.6	429.6
75°	352.5	348.3	350.4	342.0	339.9
77.5°	277.4	271.1	269.0	264.9	260.7
80°	200.2	200.2	198.1	194.0	191.9
82.5°	133.5	133.5	131.4	127.2	123.0
85°	75.1	75.1	73.0	66.7	64.7
87.5°	25.0	25.0	25.0	25.0	25.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)