

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: P297524

Luminaire Tested: **D3X-WO-67L92765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297524
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-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5730.0 lumens
Efficiency: N/A
Efficacy: 117.7 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

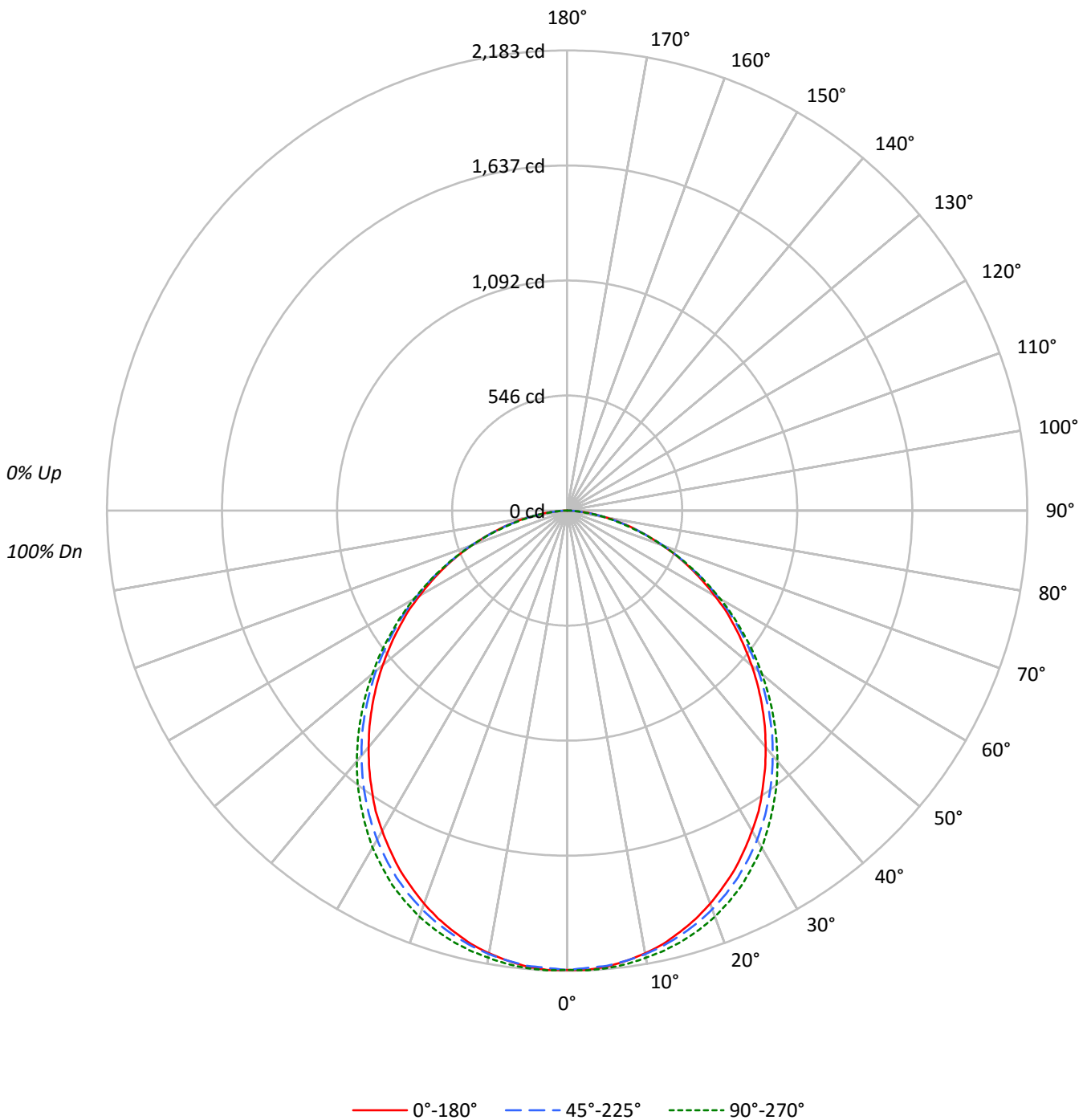
Input Watts (W): 48.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2932	2932	2932
5°	2933	2928	2943
10°	2914	2919	2943
15°	2882	2904	2944
20°	2841	2883	2935
25°	2791	2848	2911
30°	2726	2801	2870
35°	2654	2739	2803
40°	2573	2665	2726
45°	2487	2578	2633
50°	2392	2481	2525
55°	2291	2364	2400
60°	2176	2234	2259
65°	2053	2083	2096
70°	1883	1906	1883
75°	1696	1686	1635
80°	1436	1421	1376
85°	1073	1044	923



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.3	3.6
10°-20°	589.4	10.3
20°-30°	883.7	15.4
30°-40°	1040.7	18.2
40°-50°	1040.9	18.2
50°-60°	898.1	15.7
60°-70°	646.3	11.3
70°-80°	342.8	6.0
80°-90°	81.8	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°	1679.5	29.3
0°-40°	2720.2	47.5
0°-60°	4659.2	81.3
0°-90°	5730.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5730.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2179	2179	2179	2179	2179	
5°	2172	2170	2168	2175	2179	206
15°	2069	2075	2085	2106	2114	584
25°	1880	1892	1919	1952	1961	865
35°	1616	1635	1668	1697	1706	1011
45°	1307	1324	1355	1378	1384	1008
55°	977	986	1008	1025	1023	874
65°	645	647	654	658	658	638
75°	326	322	324	317	315	347
85°	70	70	68	62	60	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2179.2	2179.2	2179.2	2179.2	2179.2
2.5°	2181.2	2177.3	2171.5	2179.2	2183.1
5°	2171.5	2169.6	2167.6	2175.4	2179.2
7.5°	2154.1	2156.1	2154.1	2165.7	2169.6
10°	2132.9	2134.8	2136.8	2150.3	2154.1
12.5°	2105.9	2107.8	2113.6	2131.0	2136.8
15°	2069.2	2075.0	2084.6	2105.9	2113.6
17.5°	2030.6	2038.3	2051.8	2076.9	2084.6
20°	1984.3	1993.9	2013.2	2040.2	2049.9
22.5°	1932.2	1941.8	1968.8	1997.8	2007.4
25°	1880.0	1891.6	1918.6	1951.5	1961.1
27.5°	1818.3	1833.7	1862.7	1895.5	1903.2
30°	1754.6	1768.1	1802.8	1833.7	1847.2
32.5°	1690.9	1704.4	1737.2	1768.1	1777.7
35°	1615.6	1634.9	1667.7	1696.7	1706.3
37.5°	1542.3	1559.6	1594.4	1623.3	1633.0
40°	1465.0	1480.5	1517.2	1544.2	1551.9
42.5°	1387.8	1403.3	1439.9	1461.2	1468.9
45°	1306.8	1324.1	1355.0	1378.2	1384.0
47.5°	1225.7	1239.2	1268.2	1289.4	1297.1
50°	1142.7	1156.2	1185.2	1202.5	1206.4
52.5°	1059.7	1069.3	1096.4	1111.8	1117.6
55°	976.7	986.3	1007.6	1024.9	1023.0
57.5°	897.6	901.4	922.6	934.2	934.2
60°	808.8	812.6	830.0	837.7	839.6
62.5°	725.8	731.6	745.1	747.0	747.0
65°	644.7	646.6	654.3	658.2	658.2
67.5°	563.6	561.7	569.4	569.4	567.5
70°	478.7	482.6	484.5	480.6	478.7
72.5°	401.5	399.6	399.6	397.6	397.6
75°	326.2	322.3	324.3	316.6	314.6
77.5°	256.7	250.9	249.0	245.1	241.3
80°	185.3	185.3	183.4	179.5	177.6
82.5°	123.5	123.5	121.6	117.7	113.9
85°	69.5	69.5	67.6	61.8	59.8
87.5°	23.2	23.2	23.2	23.2	23.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)