

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: P296830

Luminaire Tested: **D3X-WD-67L82765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296830
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-67L82765-LD5-UNV-24-T1-W2A-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6571.0 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

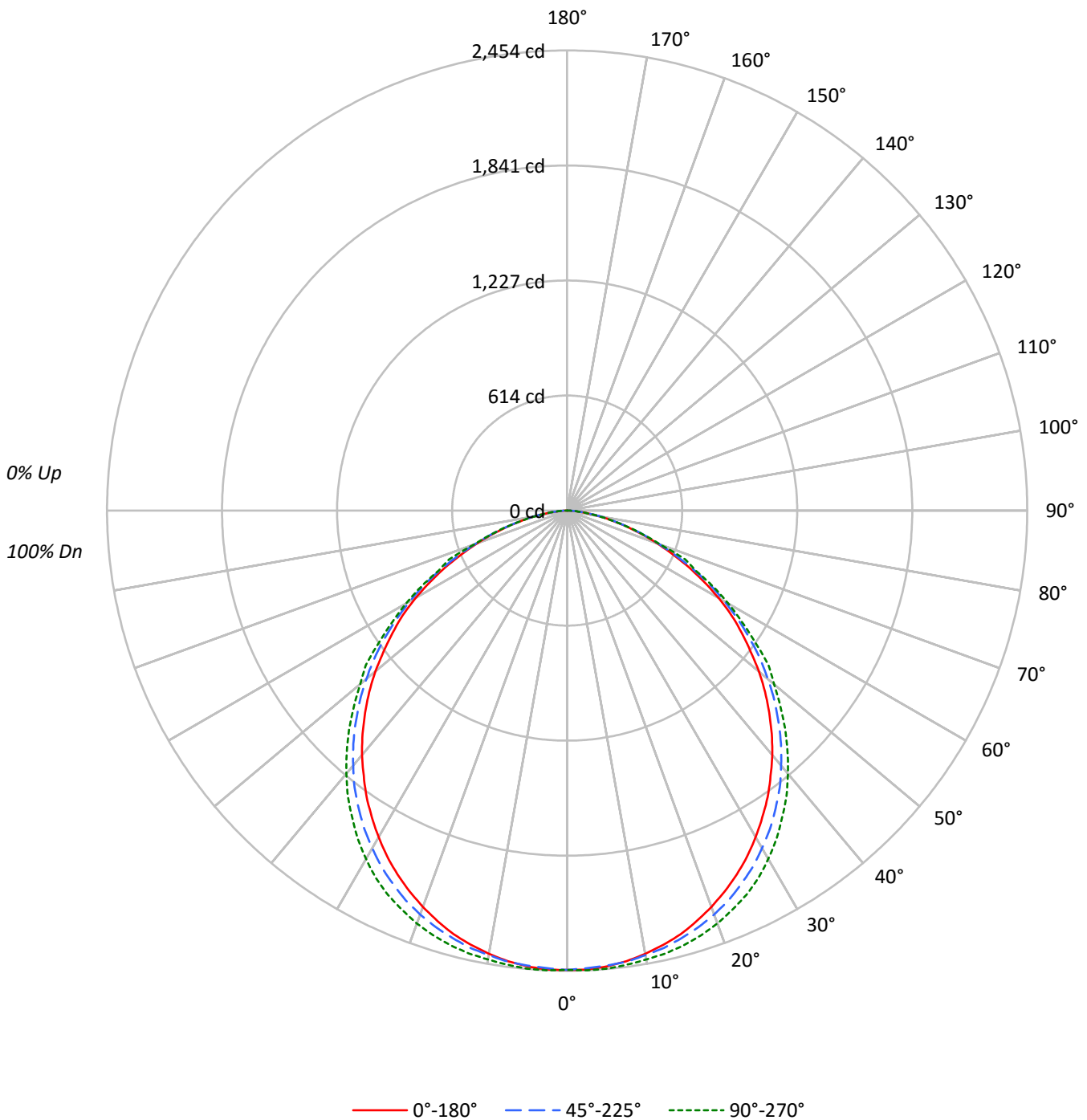
Input Watts (W): 50.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	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	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	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°	3296	3296	3296
5°	3296	3289	3312
10°	3279	3289	3321
15°	3258	3287	3343
20°	3220	3281	3356
25°	3178	3262	3357
30°	3125	3231	3333
35°	3063	3183	3284
40°	2990	3118	3218
45°	2898	3033	3127
50°	2793	2927	3015
55°	2666	2788	2870
60°	2512	2608	2671
65°	2282	2357	2402
70°	2004	2050	2078
75°	1692	1716	1728
80°	1352	1370	1333
85°	909	946	909



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.2	3.5
10°-20°	667.6	10.2
20°-30°	1012.9	15.4
30°-40°	1209.3	18.4
40°-50°	1224.3	18.6
50°-60°	1058.3	16.1
60°-70°	733.5	11.2
70°-80°	354.9	5.4
80°-90°	78.0	1.2
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°	1912.7	29.1
0°-40°	3122.0	47.5
0°-60°	5404.6	82.2
0°-90°	6571.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6571.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2450	2450	2450	2450	2450	
5°	2440	2438	2436	2447	2452	232
15°	2339	2344	2360	2388	2400	659
25°	2141	2155	2197	2242	2261	986
35°	1865	1881	1938	1988	1999	1165
45°	1523	1544	1594	1634	1643	1175
55°	1136	1148	1188	1238	1224	1016
65°	717	724	740	752	754	709
75°	325	328	330	328	332	349
85°	59	64	61	59	59	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2449.6	2449.6	2449.6	2449.6	2449.6
2.5°	2449.6	2447.3	2442.5	2449.6	2454.3
5°	2440.2	2437.8	2435.5	2447.3	2452.0
7.5°	2423.7	2423.7	2426.0	2437.8	2442.5
10°	2400.1	2402.5	2407.2	2426.0	2430.8
12.5°	2371.8	2376.5	2388.3	2409.5	2419.0
15°	2338.8	2343.5	2360.0	2388.3	2400.1
17.5°	2296.4	2305.8	2329.4	2362.4	2374.2
20°	2249.2	2261.0	2291.7	2329.4	2343.5
22.5°	2197.4	2209.1	2249.2	2289.3	2303.4
25°	2140.8	2154.9	2197.4	2242.1	2261.0
27.5°	2079.5	2096.0	2143.1	2190.3	2209.1
30°	2011.1	2030.0	2079.5	2129.0	2145.5
32.5°	1938.0	1956.9	2013.5	2060.6	2077.1
35°	1864.9	1881.4	1938.0	1987.5	1999.3
37.5°	1782.4	1801.3	1862.6	1905.0	1921.5
40°	1702.2	1721.1	1775.3	1817.8	1831.9
42.5°	1615.0	1633.9	1688.1	1728.2	1740.0
45°	1523.1	1544.3	1593.8	1633.9	1643.3
47.5°	1431.1	1447.6	1499.5	1534.8	1541.9
50°	1334.4	1350.9	1398.1	1433.5	1440.5
52.5°	1233.1	1259.0	1296.7	1322.7	1353.3
55°	1136.4	1148.2	1188.3	1237.8	1223.6
57.5°	1039.7	1046.8	1079.8	1101.0	1105.7
60°	933.6	943.1	969.0	980.8	992.6
62.5°	822.8	829.9	860.6	872.3	877.1
65°	716.7	723.8	740.3	752.1	754.5
67.5°	608.3	615.4	629.5	638.9	681.4
70°	509.3	514.0	521.0	539.9	528.1
72.5°	415.0	417.3	424.4	424.4	426.7
75°	325.4	327.7	330.1	327.7	332.4
77.5°	242.8	247.6	249.9	247.6	245.2
80°	174.5	179.2	176.8	172.1	172.1
82.5°	113.2	115.5	113.2	110.8	110.8
85°	58.9	63.7	61.3	58.9	58.9
87.5°	21.2	23.6	25.9	28.3	28.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)