

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: P296985

Luminaire Tested: **D3X-WD-80L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296985
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-80L92765-LD5-UNV-24-T1-W2A-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6997.0 lumens
Efficiency: N/A
Efficacy: 112.7 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

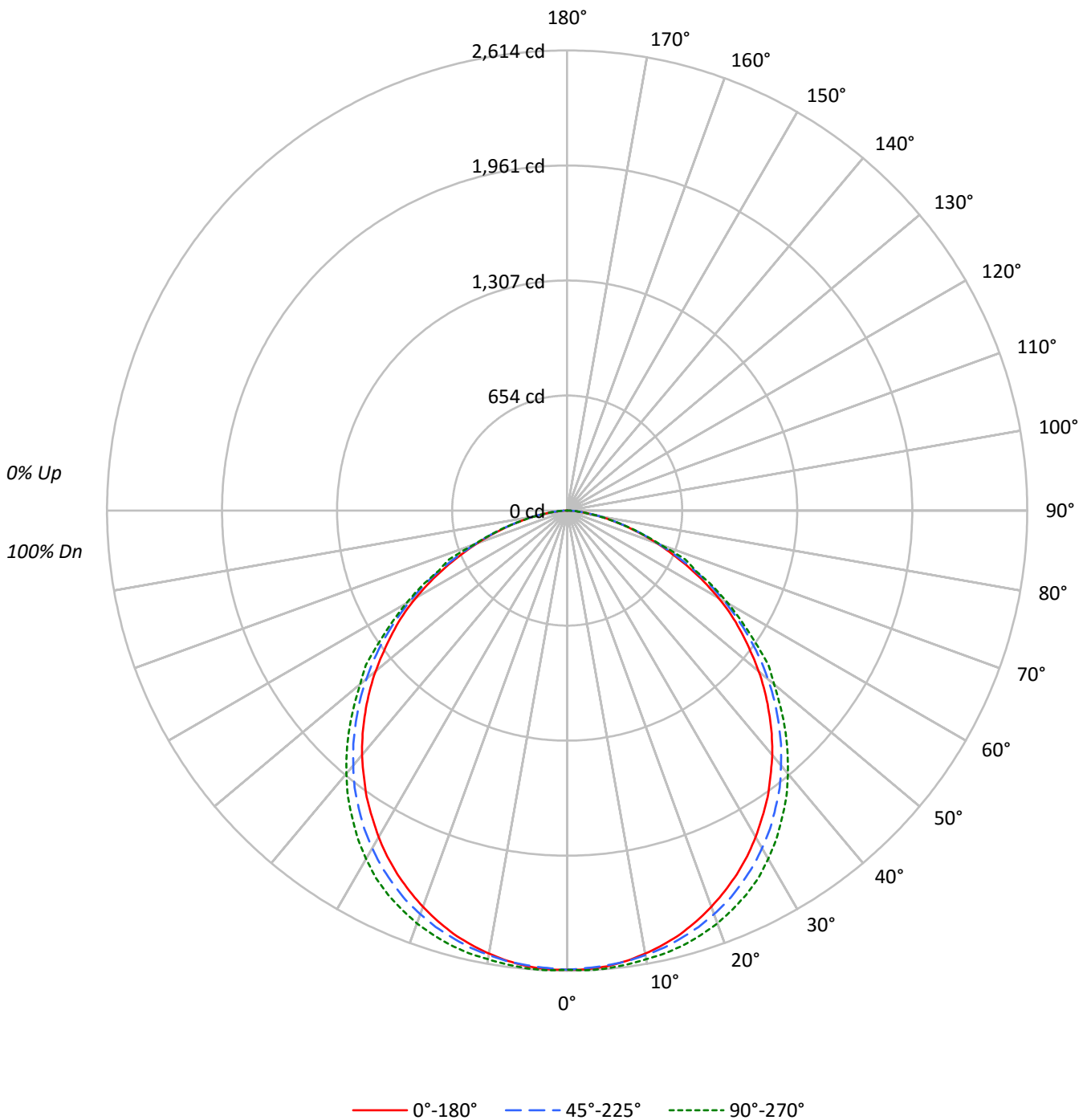
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3510	3510	3510
5°	3509	3503	3526
10°	3492	3502	3536
15°	3469	3500	3560
20°	3429	3494	3573
25°	3384	3474	3574
30°	3327	3440	3549
35°	3262	3390	3497
40°	3184	3320	3426
45°	3086	3229	3330
50°	2974	3116	3211
55°	2839	2968	3057
60°	2675	2777	2844
65°	2430	2510	2558
70°	2133	2183	2212
75°	1801	1827	1840
80°	1440	1459	1420
85°	969	1008	969



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.2	3.5
10°-20°	710.9	10.2
20°-30°	1078.6	15.4
30°-40°	1287.7	18.4
40°-50°	1303.7	18.6
50°-60°	1126.9	16.1
60°-70°	781.0	11.2
70°-80°	377.9	5.4
80°-90°	83.1	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°	2036.7	29.1
0°-40°	3324.4	47.5
0°-60°	5755.0	82.2
0°-90°	6997.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6997.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2608	2608	2608	2608	2608	
5°	2598	2596	2593	2606	2611	247
15°	2490	2496	2513	2543	2556	702
25°	2280	2295	2340	2388	2408	1050
35°	1986	2003	2064	2116	2129	1240
45°	1622	1644	1697	1740	1750	1251
55°	1210	1223	1265	1318	1303	1081
65°	763	771	788	801	803	755
75°	346	349	352	349	354	372
85°	63	68	65	63	63	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2608.4	2608.4	2608.4	2608.4	2608.4
2.5°	2608.4	2605.9	2600.9	2608.4	2613.5
5°	2598.4	2595.9	2593.4	2605.9	2610.9
7.5°	2580.8	2580.8	2583.3	2595.9	2600.9
10°	2555.7	2558.2	2563.2	2583.3	2588.3
12.5°	2525.6	2530.6	2543.2	2565.8	2575.8
15°	2490.4	2495.5	2513.0	2543.2	2555.7
17.5°	2445.2	2455.3	2480.4	2515.5	2528.1
20°	2395.0	2407.6	2440.2	2480.4	2495.5
22.5°	2339.8	2352.4	2395.0	2437.7	2452.8
25°	2279.6	2294.6	2339.8	2387.5	2407.6
27.5°	2214.3	2231.9	2282.1	2332.3	2352.4
30°	2141.5	2161.6	2214.3	2267.0	2284.6
32.5°	2063.6	2083.7	2144.0	2194.2	2211.8
35°	1985.8	2003.4	2063.6	2116.4	2128.9
37.5°	1898.0	1918.0	1983.3	2028.5	2046.1
40°	1812.6	1832.7	1890.4	1935.6	1950.7
42.5°	1719.7	1739.8	1797.5	1840.2	1852.8
45°	1621.8	1644.4	1697.1	1739.8	1749.8
47.5°	1523.9	1541.5	1596.7	1634.3	1641.9
50°	1421.0	1438.5	1488.7	1526.4	1533.9
52.5°	1313.0	1340.6	1380.8	1408.4	1441.0
55°	1210.1	1222.6	1265.3	1318.0	1303.0
57.5°	1107.1	1114.7	1149.8	1172.4	1177.4
60°	994.2	1004.2	1031.8	1044.4	1056.9
62.5°	876.2	883.7	916.3	928.9	933.9
65°	763.2	770.7	788.3	800.9	803.4
67.5°	647.7	655.2	670.3	680.4	725.5
70°	542.3	547.3	554.8	574.9	562.4
72.5°	441.9	444.4	451.9	451.9	454.4
75°	346.5	349.0	351.5	349.0	354.0
77.5°	258.6	263.6	266.1	263.6	261.1
80°	185.8	190.8	188.3	183.3	183.3
82.5°	120.5	123.0	120.5	118.0	118.0
85°	62.8	67.8	65.3	62.8	62.8
87.5°	22.6	25.1	27.6	30.1	30.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)