

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: P296988

Luminaire Tested: **D3X-WD-80L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296988
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-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7183.0 lumens
Efficiency: N/A
Efficacy: 112.9 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

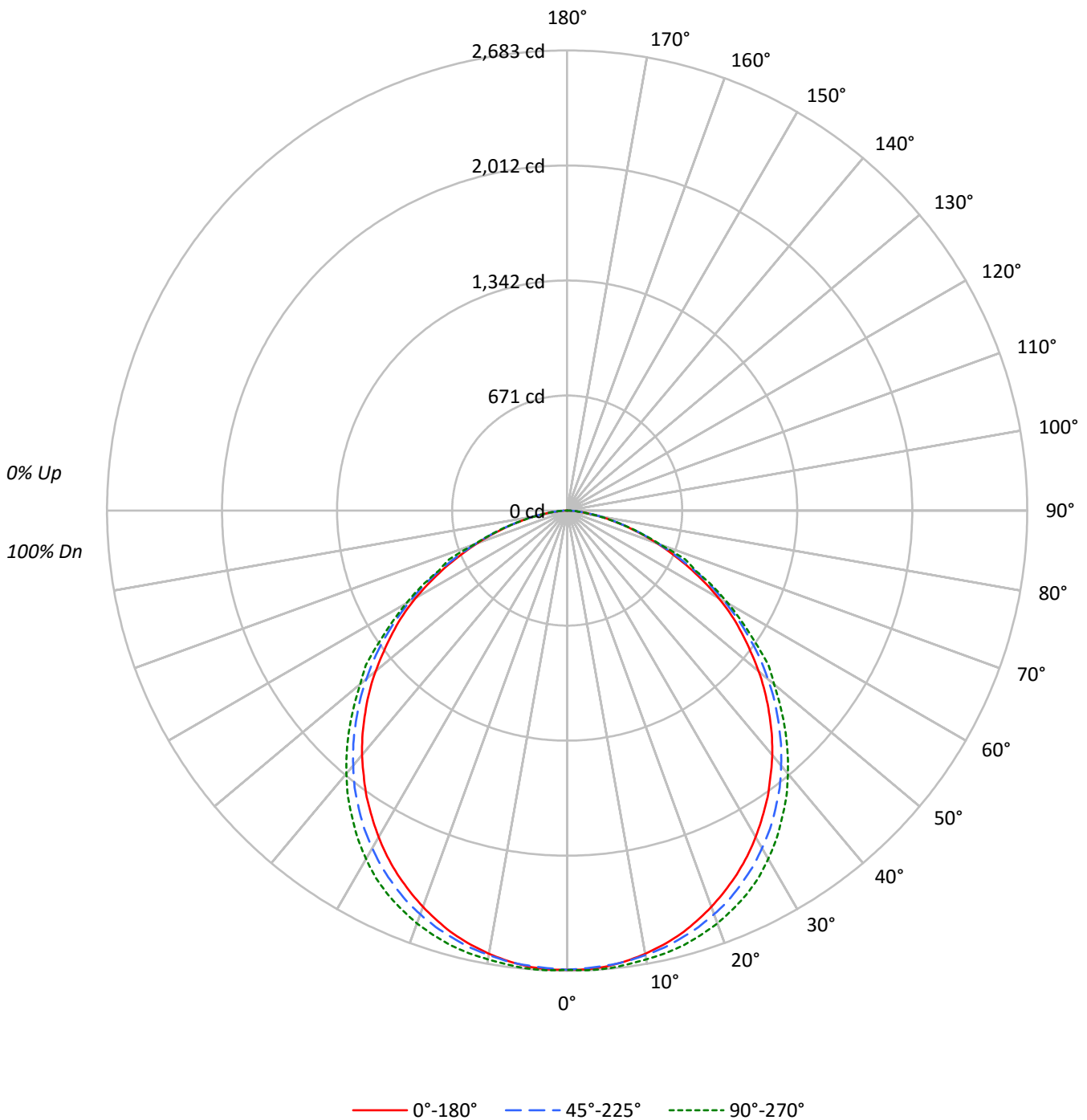
Input Watts (W): 63.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3603	3603	3603
5°	3603	3596	3620
10°	3584	3595	3630
15°	3561	3594	3655
20°	3520	3587	3668
25°	3474	3566	3669
30°	3416	3532	3644
35°	3348	3480	3590
40°	3268	3409	3517
45°	3168	3315	3418
50°	3053	3199	3296
55°	2914	3047	3138
60°	2746	2851	2920
65°	2494	2577	2626
70°	2190	2241	2271
75°	1849	1876	1889
80°	1478	1498	1457
85°	994	1034	994



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.8	3.5
10°-20°	729.8	10.2
20°-30°	1107.3	15.4
30°-40°	1322.0	18.4
40°-50°	1338.3	18.6
50°-60°	1156.8	16.1
60°-70°	801.8	11.2
70°-80°	387.9	5.4
80°-90°	85.3	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°	2090.8	29.1
0°-40°	3412.8	47.5
0°-60°	5908.0	82.2
0°-90°	7183.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7183.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2678	2678	2678	2678	2678	
5°	2668	2665	2662	2675	2680	253
15°	2557	2562	2580	2611	2624	721
25°	2340	2356	2402	2451	2472	1078
35°	2039	2057	2118	2173	2186	1273
45°	1665	1688	1742	1786	1796	1284
55°	1242	1255	1299	1353	1338	1110
65°	784	791	809	822	825	775
75°	356	358	361	358	363	382
85°	64	70	67	64	64	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2677.8	2677.8	2677.8	2677.8	2677.8
2.5°	2677.8	2675.2	2670.0	2677.8	2682.9
5°	2667.5	2664.9	2662.3	2675.2	2680.3
7.5°	2649.4	2649.4	2652.0	2664.9	2670.0
10°	2623.6	2626.2	2631.4	2652.0	2657.2
12.5°	2592.7	2597.9	2610.8	2634.0	2644.3
15°	2556.6	2561.8	2579.8	2610.8	2623.6
17.5°	2510.2	2520.6	2546.3	2582.4	2595.3
20°	2458.7	2471.6	2505.1	2546.3	2561.8
22.5°	2402.0	2414.9	2458.7	2502.5	2518.0
25°	2340.2	2355.6	2402.0	2451.0	2471.6
27.5°	2273.1	2291.2	2342.7	2394.3	2414.9
30°	2198.4	2219.0	2273.1	2327.3	2345.3
32.5°	2118.5	2139.1	2201.0	2252.5	2270.6
35°	2038.6	2056.7	2118.5	2172.6	2185.5
37.5°	1948.4	1969.0	2036.0	2082.4	2100.5
40°	1860.8	1881.4	1940.7	1987.1	2002.5
42.5°	1765.4	1786.0	1845.3	1889.1	1902.0
45°	1664.9	1688.1	1742.2	1786.0	1796.3
47.5°	1564.4	1582.4	1639.1	1677.8	1685.5
50°	1458.7	1476.8	1528.3	1567.0	1574.7
52.5°	1347.9	1376.3	1417.5	1445.8	1479.3
55°	1242.2	1255.1	1298.9	1353.1	1337.6
57.5°	1136.6	1144.3	1180.4	1203.6	1208.7
60°	1020.6	1030.9	1059.3	1072.1	1085.0
62.5°	899.5	907.2	940.7	953.6	958.7
65°	783.5	791.2	809.3	822.1	824.7
67.5°	664.9	672.7	688.1	698.4	744.8
70°	556.7	561.8	569.6	590.2	577.3
72.5°	453.6	456.2	463.9	463.9	466.5
75°	355.7	358.2	360.8	358.2	363.4
77.5°	265.5	270.6	273.2	270.6	268.0
80°	190.7	195.9	193.3	188.1	188.1
82.5°	123.7	126.3	123.7	121.1	121.1
85°	64.4	69.6	67.0	64.4	64.4
87.5°	23.2	25.8	28.3	30.9	30.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)