

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: P297543

Luminaire Tested: **D3X-WO-80L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297543
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-80L92765-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7121.0 lumens
Efficiency: N/A
Efficacy: 115.8 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

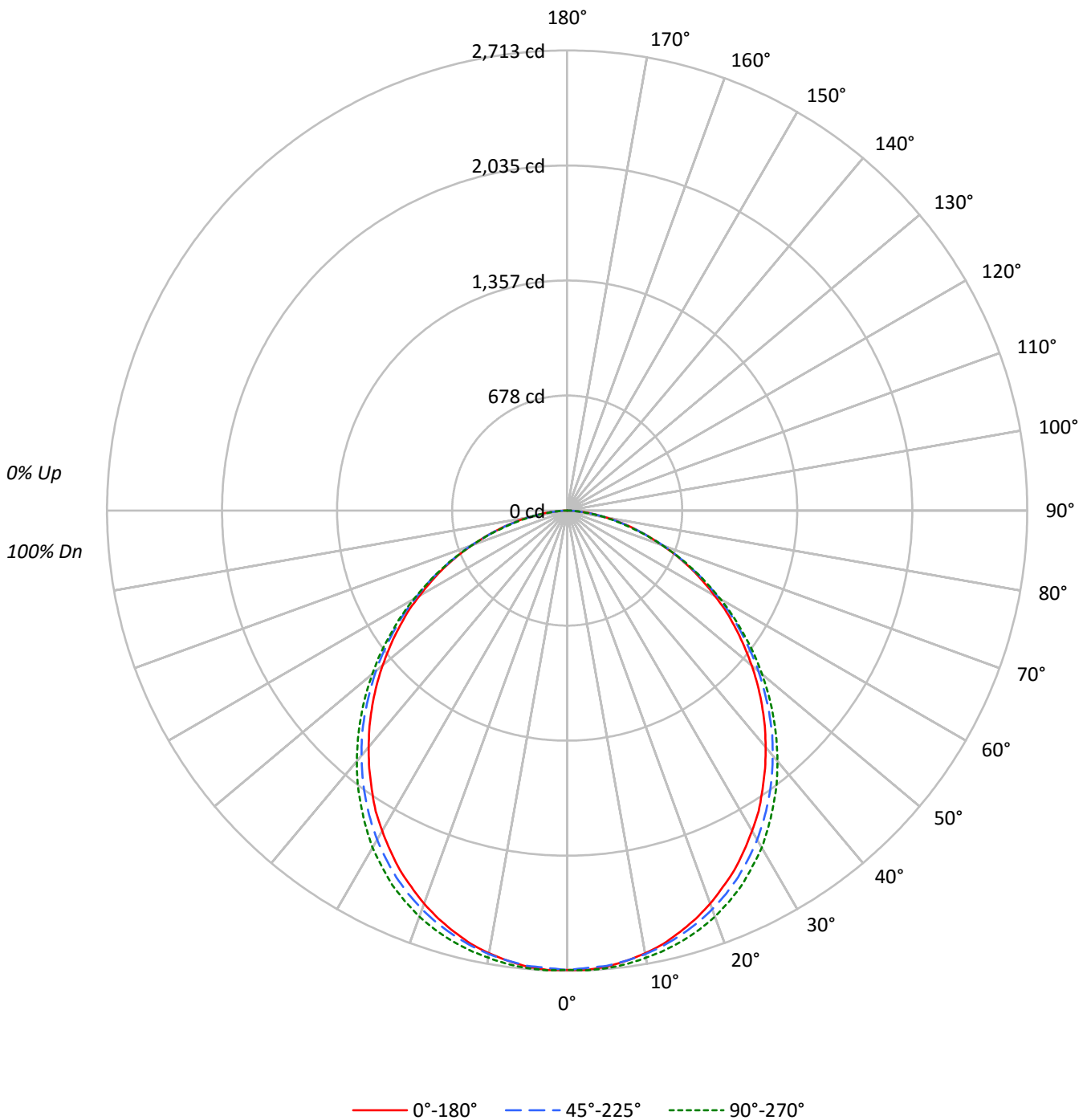
Input Watts (W): 61.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3644	3644	3644
5°	3645	3638	3658
10°	3622	3628	3658
15°	3582	3609	3659
20°	3531	3582	3648
25°	3469	3540	3618
30°	3388	3481	3567
35°	3298	3404	3483
40°	3198	3312	3387
45°	3090	3204	3273
50°	2973	3083	3138
55°	2847	2937	2982
60°	2705	2776	2808
65°	2551	2589	2604
70°	2340	2369	2340
75°	2108	2095	2033
80°	1784	1766	1710
85°	1334	1297	1149



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.4	3.6
10°-20°	732.5	10.3
20°-30°	1098.3	15.4
30°-40°	1293.4	18.2
40°-50°	1293.6	18.2
50°-60°	1116.1	15.7
60°-70°	803.1	11.3
70°-80°	426.0	6.0
80°-90°	101.6	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°	2087.2	29.3
0°-40°	3380.5	47.5
0°-60°	5790.3	81.3
0°-90°	7121.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7121.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2708	2708	2708	2708	2708	
5°	2699	2696	2694	2704	2708	256
15°	2572	2579	2591	2617	2627	725
25°	2336	2351	2384	2425	2437	1075
35°	2008	2032	2073	2108	2120	1256
45°	1624	1646	1684	1713	1720	1253
55°	1214	1226	1252	1274	1271	1086
65°	801	804	813	818	818	792
75°	405	401	403	393	391	431
85°	86	86	84	77	74	104
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2708.2	2708.2	2708.2	2708.2	2708.2
2.5°	2710.6	2705.8	2698.7	2708.2	2713.0
5°	2698.7	2696.3	2693.9	2703.5	2708.2
7.5°	2677.1	2679.5	2677.1	2691.5	2696.3
10°	2650.7	2653.1	2655.5	2672.3	2677.1
12.5°	2617.1	2619.5	2626.7	2648.3	2655.5
15°	2571.5	2578.7	2590.7	2617.1	2626.7
17.5°	2523.5	2533.1	2549.9	2581.1	2590.7
20°	2466.0	2478.0	2502.0	2535.5	2547.5
22.5°	2401.2	2413.2	2446.8	2482.8	2494.8
25°	2336.4	2350.8	2384.4	2425.2	2437.2
27.5°	2259.7	2278.9	2314.8	2355.6	2365.2
30°	2180.5	2197.3	2240.5	2278.9	2295.7
32.5°	2101.4	2118.1	2158.9	2197.3	2209.3
35°	2007.8	2031.8	2072.6	2108.5	2120.5
37.5°	1916.6	1938.2	1981.4	2017.4	2029.4
40°	1820.7	1839.9	1885.5	1919.0	1928.6
42.5°	1724.7	1743.9	1789.5	1815.9	1825.5
45°	1624.0	1645.6	1684.0	1712.7	1719.9
47.5°	1523.2	1540.0	1576.0	1602.4	1612.0
50°	1420.1	1436.9	1472.9	1494.5	1499.3
52.5°	1316.9	1328.9	1362.5	1381.7	1388.9
55°	1213.8	1225.8	1252.2	1273.8	1271.4
57.5°	1115.4	1120.2	1146.6	1161.0	1161.0
60°	1005.1	1009.9	1031.5	1041.1	1043.5
62.5°	901.9	909.1	925.9	928.3	928.3
65°	801.2	803.6	813.2	818.0	818.0
67.5°	700.5	698.1	707.6	707.6	705.2
70°	594.9	599.7	602.1	597.3	594.9
72.5°	499.0	496.6	496.6	494.2	494.2
75°	405.4	400.6	403.0	393.4	391.0
77.5°	319.0	311.8	309.4	304.6	299.9
80°	230.3	230.3	227.9	223.1	220.7
82.5°	153.5	153.5	151.1	146.3	141.5
85°	86.4	86.4	84.0	76.8	74.4
87.5°	28.8	28.8	28.8	28.8	28.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)