

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: P297546

Luminaire Tested: **D3X-WO-80L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297546
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-5500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7568.0 lumens
Efficiency: N/A
Efficacy: 121.3 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

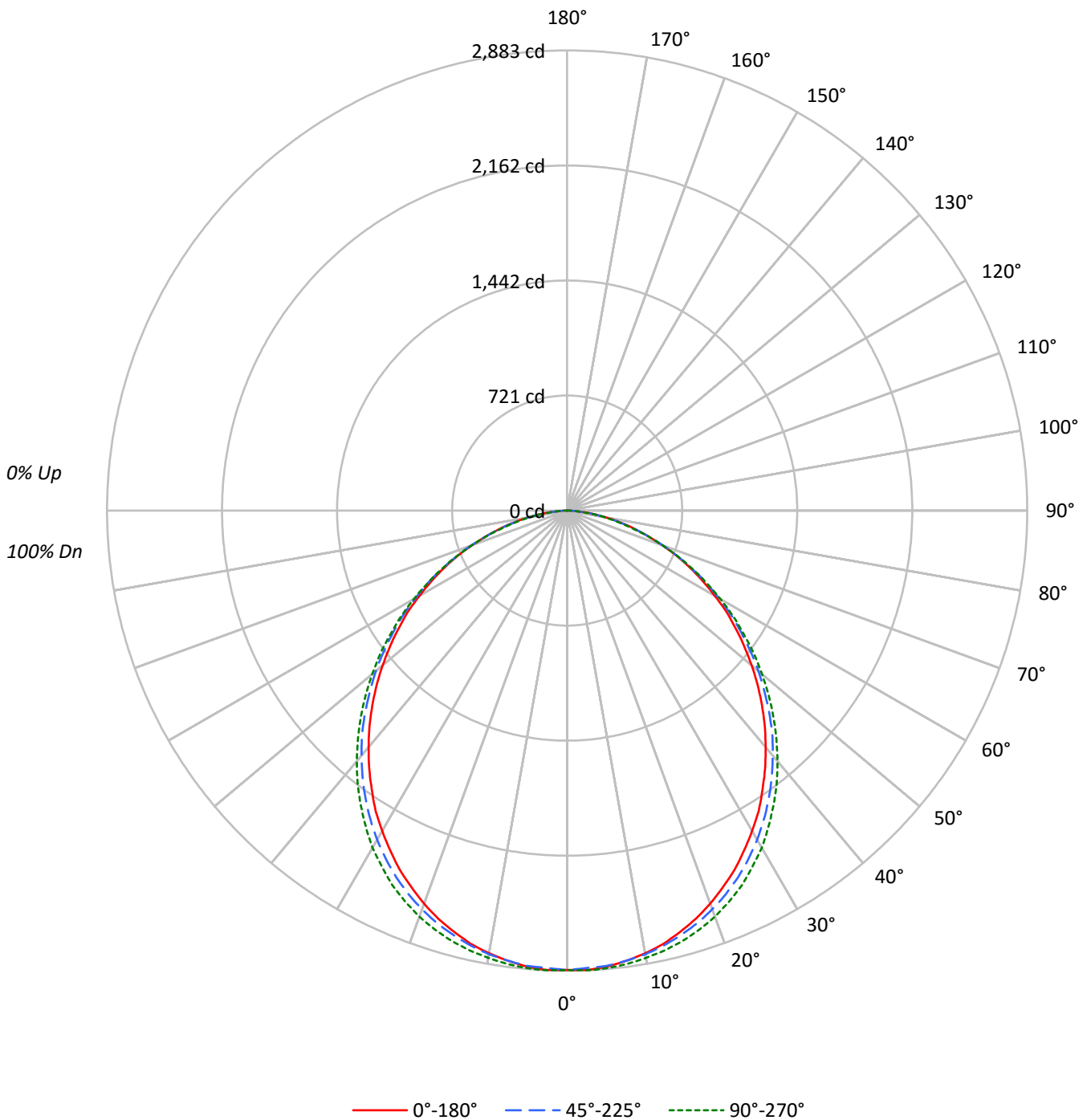
Input Watts (W): 62.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297546

CATALOG NUMBER: D3X-WO-80L92765-LD5-UNV-24-T1-W2A-5500K

Luminous Intensity Polar Plot





TEST NUMBER: P297546

CATALOG NUMBER: D3X-WO-80L92765-LD5-UNV-24-T1-W2A-5500K

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°	3873	3873	3873
5°	3874	3867	3888
10°	3849	3856	3887
15°	3807	3835	3889
20°	3753	3807	3877
25°	3686	3762	3845
30°	3600	3699	3791
35°	3505	3618	3702
40°	3399	3519	3600
45°	3284	3405	3478
50°	3159	3277	3335
55°	3026	3122	3170
60°	2875	2950	2984
65°	2711	2751	2768
70°	2487	2517	2487
75°	2240	2227	2160
80°	1896	1877	1817
85°	1417	1377	1220



TEST NUMBER: P297546

CATALOG NUMBER: D3X-WO-80L92765-LD5-UNV-24-T1-W2A-5500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.5	3.6
10°-20°	778.5	10.3
20°-30°	1167.2	15.4
30°-40°	1374.6	18.2
40°-50°	1374.8	18.2
50°-60°	1186.2	15.7
60°-70°	853.5	11.3
70°-80°	452.7	6.0
80°-90°	108.0	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°	2218.2	29.3
0°-40°	3592.7	47.5
0°-60°	6153.7	81.3
0°-90°	7568.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7568.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2878	2878	2878	2878	2878	
5°	2868	2866	2863	2873	2878	272
15°	2733	2741	2753	2781	2792	771
25°	2483	2498	2534	2577	2590	1142
35°	2134	2159	2203	2241	2254	1335
45°	1726	1749	1790	1820	1828	1331
55°	1290	1303	1331	1354	1351	1154
65°	852	854	864	869	869	842
75°	431	426	428	418	416	458
85°	92	92	89	82	79	111
90°	0	0	0	0	0	



TEST NUMBER: P297546

CATALOG NUMBER: D3X-WO-80L92765-LD5-UNV-24-T1-W2A-5500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2878.3	2878.3	2878.3	2878.3	2878.3
2.5°	2880.8	2875.7	2868.1	2878.3	2883.3
5°	2868.1	2865.5	2863.0	2873.2	2878.3
7.5°	2845.1	2847.7	2845.1	2860.4	2865.5
10°	2817.1	2819.6	2822.2	2840.0	2845.1
12.5°	2781.4	2783.9	2791.6	2814.5	2822.2
15°	2732.9	2740.6	2753.3	2781.4	2791.6
17.5°	2681.9	2692.1	2710.0	2743.1	2753.3
20°	2620.8	2633.5	2659.0	2694.7	2707.4
22.5°	2551.9	2564.7	2600.4	2638.6	2651.4
25°	2483.1	2498.4	2534.1	2577.4	2590.2
27.5°	2401.5	2421.9	2460.2	2503.5	2513.7
30°	2317.4	2335.2	2381.1	2421.9	2439.8
32.5°	2233.3	2251.1	2294.4	2335.2	2348.0
35°	2133.8	2159.3	2202.7	2240.9	2253.7
37.5°	2037.0	2059.9	2105.8	2144.0	2156.8
40°	1935.0	1955.4	2003.8	2039.5	2049.7
42.5°	1833.0	1853.4	1901.8	1929.9	1940.1
45°	1725.9	1748.9	1789.7	1820.3	1827.9
47.5°	1618.9	1636.7	1674.9	1703.0	1713.2
50°	1509.2	1527.1	1565.3	1588.3	1593.4
52.5°	1399.6	1412.4	1448.0	1468.4	1476.1
55°	1290.0	1302.7	1330.8	1353.7	1351.2
57.5°	1185.5	1190.6	1218.6	1233.9	1233.9
60°	1068.2	1073.3	1096.2	1106.4	1109.0
62.5°	958.6	966.2	984.1	986.6	986.6
65°	851.5	854.0	864.2	869.3	869.3
67.5°	744.4	741.9	752.1	752.1	749.5
70°	632.2	637.3	639.9	634.8	632.2
72.5°	530.3	527.7	527.7	525.2	525.2
75°	430.8	425.7	428.3	418.1	415.5
77.5°	339.1	331.4	328.9	323.8	318.7
80°	244.7	244.7	242.2	237.1	234.5
82.5°	163.2	163.2	160.6	155.5	150.4
85°	91.8	91.8	89.2	81.6	79.0
87.5°	30.6	30.6	30.6	30.6	30.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)