

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: P297532

Luminaire Tested: **D3X-WO-74L92765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297532
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-74L92765-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6058.0 lumens
Efficiency: N/A
Efficacy: 111.2 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

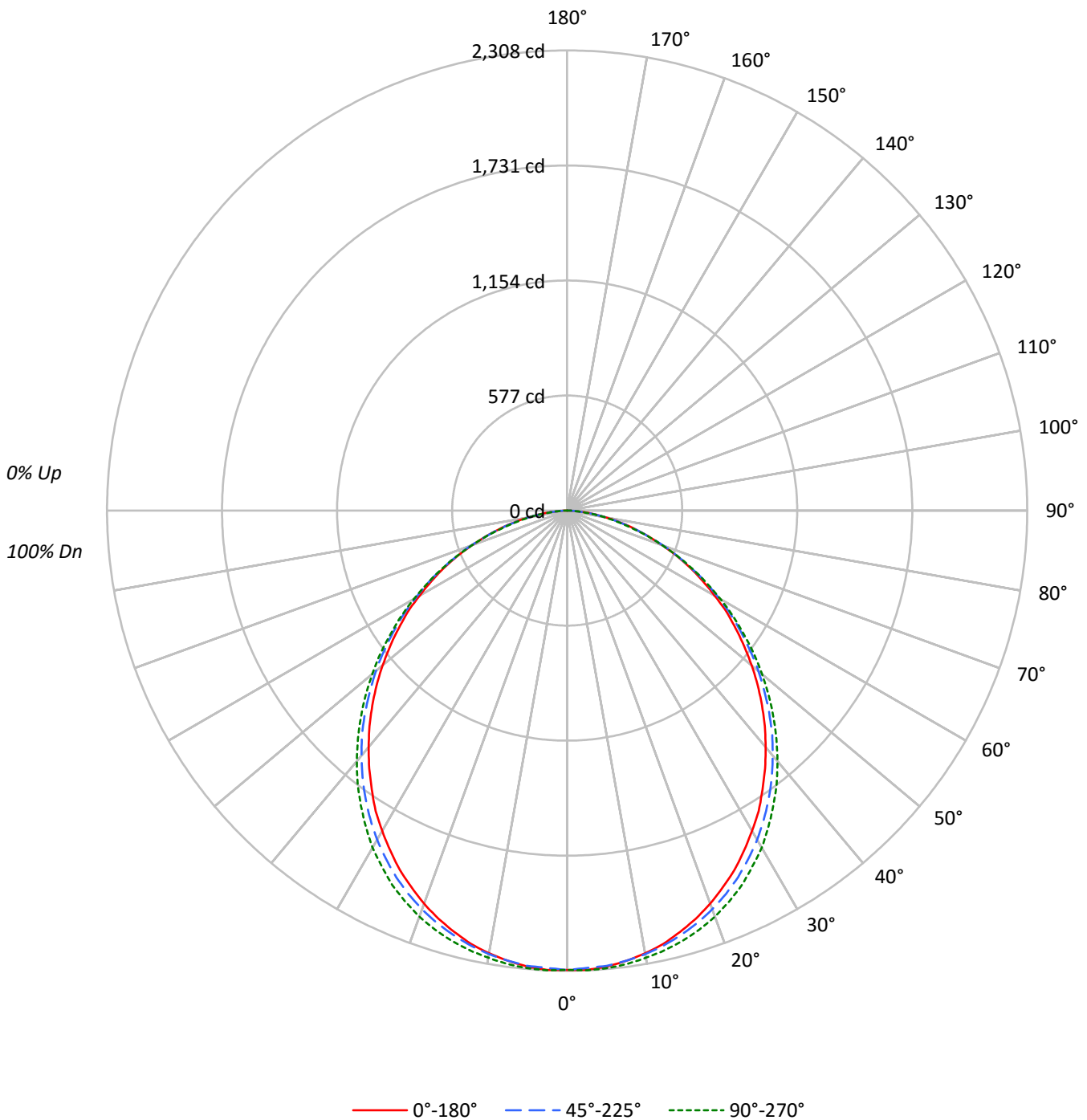
Input Watts (W): 54.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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°	3100	3100	3100
5°	3101	3095	3112
10°	3081	3086	3111
15°	3047	3070	3113
20°	3004	3048	3103
25°	2951	3011	3078
30°	2882	2961	3034
35°	2806	2896	2963
40°	2721	2817	2882
45°	2629	2726	2784
50°	2529	2623	2670
55°	2422	2499	2537
60°	2301	2361	2389
65°	2170	2202	2216
70°	1991	2015	1991
75°	1793	1782	1729
80°	1518	1502	1454
85°	1135	1102	977



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.1	3.6
10°-20°	623.1	10.3
20°-30°	934.3	15.4
30°-40°	1100.3	18.2
40°-50°	1100.5	18.2
50°-60°	949.5	15.7
60°-70°	683.2	11.3
70°-80°	362.4	6.0
80°-90°	86.4	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°	1775.6	29.3
0°-40°	2875.9	47.5
0°-60°	4925.9	81.3
0°-90°	6058.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6058.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2304	2304	2304	2304	2304	
5°	2296	2294	2292	2300	2304	218
15°	2188	2194	2204	2226	2235	617
25°	1988	2000	2028	2063	2073	914
35°	1708	1728	1763	1794	1804	1069
45°	1382	1400	1433	1457	1463	1066
55°	1033	1043	1065	1084	1082	924
65°	682	684	692	696	696	674
75°	345	341	343	335	333	367
85°	74	74	71	65	63	89
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2304.0	2304.0	2304.0	2304.0	2304.0
2.5°	2306.0	2301.9	2295.8	2304.0	2308.1
5°	2295.8	2293.8	2291.7	2299.9	2304.0
7.5°	2277.4	2279.5	2277.4	2289.7	2293.8
10°	2255.0	2257.0	2259.1	2273.4	2277.4
12.5°	2226.4	2228.5	2234.6	2253.0	2259.1
15°	2187.6	2193.8	2204.0	2226.4	2234.6
17.5°	2146.8	2155.0	2169.3	2195.8	2204.0
20°	2097.9	2108.1	2128.5	2157.0	2167.2
22.5°	2042.8	2053.0	2081.5	2112.1	2122.3
25°	1987.7	1999.9	2028.5	2063.2	2073.4
27.5°	1922.4	1938.7	1969.3	2004.0	2012.1
30°	1855.0	1869.3	1906.0	1938.7	1953.0
32.5°	1787.7	1802.0	1836.6	1869.3	1879.5
35°	1708.1	1728.5	1763.2	1793.8	1804.0
37.5°	1630.5	1648.9	1685.6	1716.2	1726.4
40°	1548.9	1565.2	1604.0	1632.6	1640.7
42.5°	1467.3	1483.6	1522.4	1544.8	1553.0
45°	1381.6	1399.9	1432.6	1457.1	1463.2
47.5°	1295.9	1310.1	1340.8	1363.2	1371.4
50°	1208.1	1222.4	1253.0	1271.4	1275.4
52.5°	1120.4	1130.6	1159.1	1175.5	1181.6
55°	1032.6	1042.8	1065.3	1083.6	1081.6
57.5°	948.9	953.0	975.5	987.7	987.7
60°	855.1	859.1	877.5	885.7	887.7
62.5°	767.3	773.4	787.7	789.8	789.8
65°	681.6	683.6	691.8	695.9	695.9
67.5°	595.9	593.8	602.0	602.0	600.0
70°	506.1	510.2	512.2	508.1	506.1
72.5°	424.5	422.4	422.4	420.4	420.4
75°	344.9	340.8	342.8	334.7	332.6
77.5°	271.4	265.3	263.3	259.2	255.1
80°	195.9	195.9	193.9	189.8	187.7
82.5°	130.6	130.6	128.6	124.5	120.4
85°	73.5	73.5	71.4	65.3	63.3
87.5°	24.5	24.5	24.5	24.5	24.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)