

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: P297256

Luminaire Tested: **D3X-WG-74L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297256
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-74L92765-LD5-UNV-24-T1-W2A-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6462.0 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

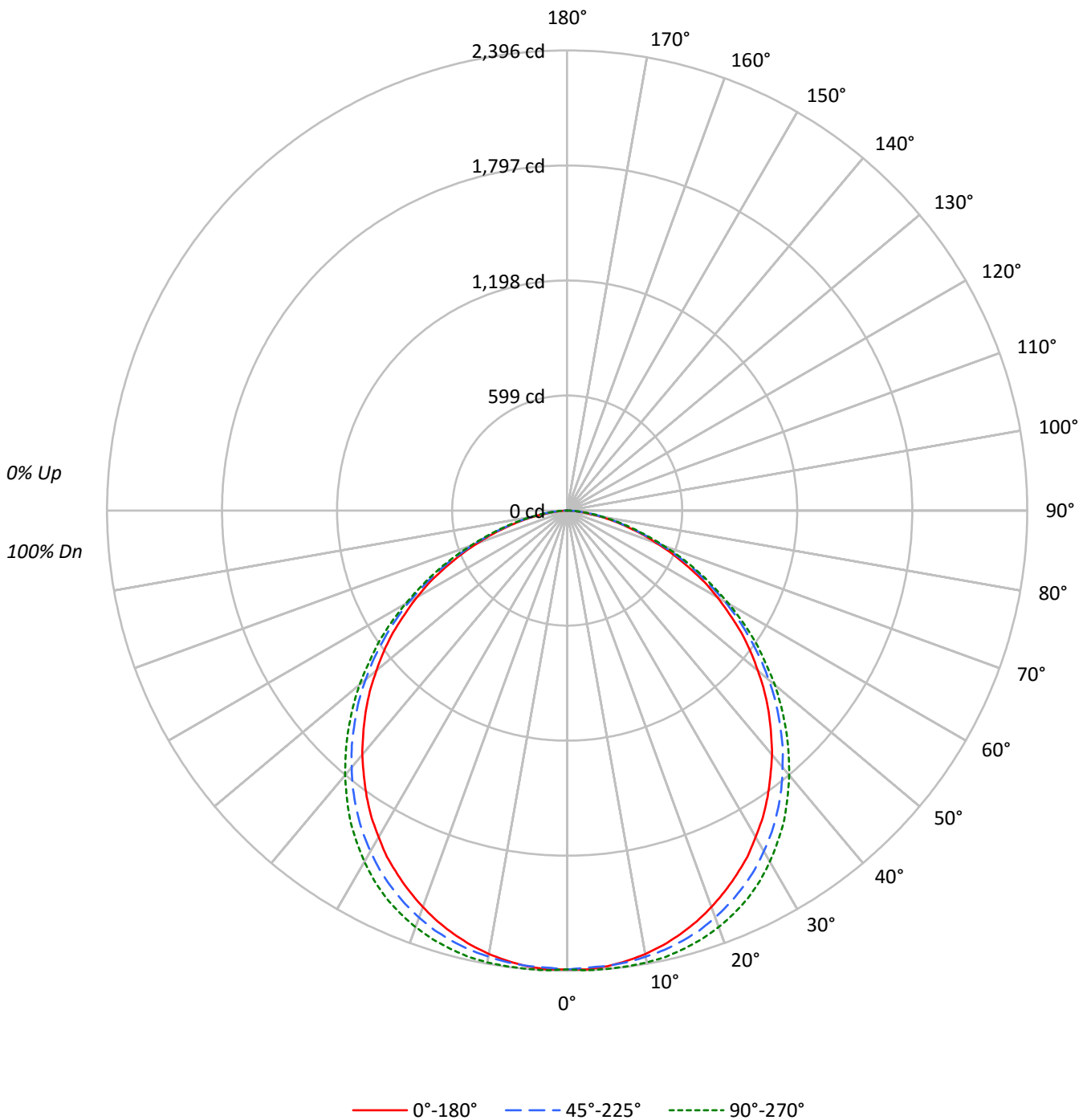
Input Watts (W): 56.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	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	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	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	27	38	32	27	37	31	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3214	3214	3214
5°	3217	3214	3236
10°	3204	3223	3264
15°	3179	3231	3289
20°	3145	3228	3304
25°	3103	3213	3306
30°	3050	3183	3280
35°	2988	3137	3236
40°	2915	3066	3159
45°	2823	2978	3066
50°	2713	2869	2956
55°	2596	2726	2813
60°	2429	2554	2616
65°	2218	2336	2395
70°	1949	2049	2103
75°	1648	1733	1793
80°	1309	1435	1471
85°	894	1071	1036



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.0	3.5
10°-20°	655.3	10.1
20°-30°	995.9	15.4
30°-40°	1188.3	18.4
40°-50°	1200.2	18.6
50°-60°	1034.0	16.0
60°-70°	720.8	11.2
70°-80°	357.2	5.5
80°-90°	83.3	1.3
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°	1878.2	29.1
0°-40°	3066.5	47.5
0°-60°	5300.7	82.0
0°-90°	6462.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6462.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2389	2389	2389	2389	2389	
5°	2382	2380	2380	2391	2396	226
15°	2282	2294	2319	2350	2361	644
25°	2090	2118	2164	2208	2227	963
35°	1819	1850	1910	1954	1970	1137
45°	1484	1516	1565	1602	1611	1144
55°	1106	1130	1162	1190	1199	986
65°	697	711	734	741	752	692
75°	317	322	333	340	345	342
85°	58	69	69	65	67	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2388.9	2388.9	2388.9	2388.9	2388.9
2.5°	2391.2	2386.5	2381.9	2391.2	2395.8
5°	2381.9	2379.6	2379.6	2391.2	2395.8
7.5°	2365.7	2365.7	2372.7	2388.9	2393.5
10°	2344.9	2349.5	2358.8	2381.9	2388.9
12.5°	2317.1	2326.4	2342.6	2370.3	2379.6
15°	2282.4	2294.0	2319.4	2349.5	2361.1
17.5°	2243.0	2259.2	2291.6	2326.4	2337.9
20°	2196.7	2217.6	2254.6	2294.0	2307.8
22.5°	2145.8	2171.3	2212.9	2254.6	2270.8
25°	2090.3	2118.0	2164.3	2208.3	2226.8
27.5°	2032.4	2060.2	2111.1	2155.1	2173.6
30°	1962.9	1995.4	2048.6	2094.9	2111.1
32.5°	1895.8	1928.2	1983.8	2025.4	2041.6
35°	1819.4	1849.5	1909.7	1953.7	1969.9
37.5°	1738.4	1773.1	1831.0	1870.4	1884.2
40°	1659.7	1689.8	1745.4	1784.7	1798.6
42.5°	1571.7	1604.2	1659.7	1694.4	1706.0
45°	1483.8	1516.2	1564.8	1601.8	1611.1
47.5°	1393.5	1423.6	1472.2	1502.3	1511.6
50°	1296.3	1324.1	1370.4	1400.4	1412.0
52.5°	1203.7	1229.2	1268.5	1294.0	1300.9
55°	1106.5	1129.6	1162.0	1189.8	1199.1
57.5°	1002.3	1027.8	1057.9	1081.0	1088.0
60°	902.8	923.6	949.1	969.9	972.2
62.5°	805.5	814.8	838.0	856.5	858.8
65°	696.8	710.6	733.8	740.7	752.3
67.5°	597.2	606.5	625.0	634.3	643.5
70°	495.4	502.3	520.8	532.4	534.7
72.5°	407.4	409.7	423.6	432.9	435.2
75°	317.1	321.8	333.3	340.3	344.9
77.5°	240.7	245.4	254.6	259.3	259.3
80°	169.0	175.9	185.2	187.5	189.8
82.5°	108.8	118.1	125.0	127.3	122.7
85°	57.9	69.4	69.4	64.8	67.1
87.5°	20.8	25.5	27.8	30.1	30.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)