

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: P297259

Luminaire Tested: **D3X-WG-74L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297259
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-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6635.0 lumens
Efficiency: N/A
Efficacy: 115.0 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

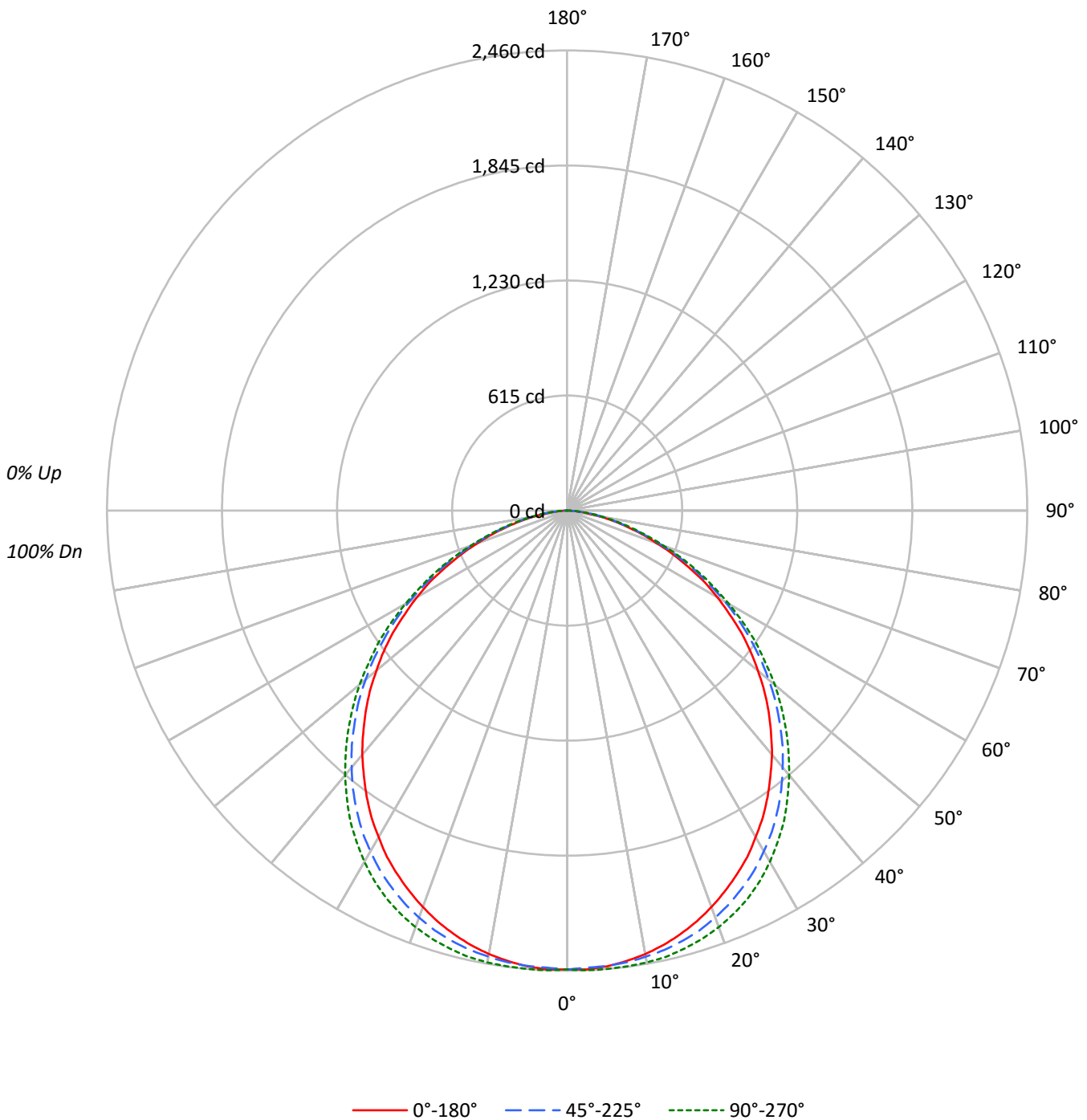
Input Watts (W): 57.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	47	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	27	38	32	27	37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3300	3300	3300
5°	3303	3300	3322
10°	3290	3309	3351
15°	3264	3317	3377
20°	3230	3315	3393
25°	3186	3299	3394
30°	3131	3268	3368
35°	3068	3221	3322
40°	2993	3148	3244
45°	2899	3057	3148
50°	2786	2945	3035
55°	2665	2799	2888
60°	2494	2622	2686
65°	2278	2399	2459
70°	2001	2104	2160
75°	1693	1779	1841
80°	1344	1473	1510
85°	917	1101	1064



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.1	3.5
10°-20°	672.9	10.1
20°-30°	1022.5	15.4
30°-40°	1220.1	18.4
40°-50°	1232.3	18.6
50°-60°	1061.7	16.0
60°-70°	740.1	11.2
70°-80°	366.8	5.5
80°-90°	85.5	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°	1928.4	29.1
0°-40°	3148.6	47.5
0°-60°	5442.6	82.0
0°-90°	6635.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6635.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2453	2453	2453	2453	2453	
5°	2446	2443	2443	2455	2460	232
15°	2344	2355	2382	2412	2424	661
25°	2146	2175	2222	2267	2286	989
35°	1868	1899	1961	2006	2023	1168
45°	1524	1557	1607	1645	1654	1174
55°	1136	1160	1193	1222	1231	1013
65°	715	730	753	761	772	710
75°	326	330	342	349	354	351
85°	59	71	71	66	69	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2452.8	2452.8	2452.8	2452.8	2452.8
2.5°	2455.2	2450.4	2445.7	2455.2	2459.9
5°	2445.7	2443.3	2443.3	2455.2	2459.9
7.5°	2429.1	2429.1	2436.2	2452.8	2457.6
10°	2407.7	2412.4	2421.9	2445.7	2452.8
12.5°	2379.1	2388.6	2405.3	2433.8	2443.3
15°	2343.5	2355.4	2381.5	2412.4	2424.3
17.5°	2303.1	2319.7	2353.0	2388.6	2400.5
20°	2255.5	2276.9	2315.0	2355.4	2369.6
22.5°	2203.3	2229.4	2272.2	2315.0	2331.6
25°	2146.2	2174.7	2222.3	2267.4	2286.4
27.5°	2086.8	2115.3	2167.6	2212.8	2231.8
30°	2015.5	2048.8	2103.4	2151.0	2167.6
32.5°	1946.6	1979.8	2036.9	2079.7	2096.3
35°	1868.1	1899.0	1960.8	2006.0	2022.6
37.5°	1784.9	1820.6	1880.0	1920.4	1934.7
40°	1704.1	1735.0	1792.1	1832.5	1846.7
42.5°	1613.8	1647.1	1704.1	1739.8	1751.7
45°	1523.5	1556.8	1606.7	1644.7	1654.2
47.5°	1430.8	1461.7	1511.6	1542.5	1552.0
50°	1331.0	1359.5	1407.0	1437.9	1449.8
52.5°	1235.9	1262.1	1302.5	1328.6	1335.7
55°	1136.1	1159.9	1193.1	1221.7	1231.2
57.5°	1029.1	1055.3	1086.2	1109.9	1117.1
60°	926.9	948.3	974.5	995.9	998.2
62.5°	827.1	836.6	860.4	879.4	881.8
65°	715.4	729.7	753.4	760.6	772.4
67.5°	613.2	622.7	641.7	651.2	660.7
70°	508.6	515.8	534.8	546.7	549.0
72.5°	418.3	420.7	434.9	444.5	446.8
75°	325.6	330.4	342.3	349.4	354.1
77.5°	247.2	251.9	261.4	266.2	266.2
80°	173.5	180.6	190.1	192.5	194.9
82.5°	111.7	121.2	128.3	130.7	126.0
85°	59.4	71.3	71.3	66.5	68.9
87.5°	21.4	26.1	28.5	30.9	30.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)