

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: P296971

Luminaire Tested: **D3X-WD-74L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296971
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-74L92765-LD5-UNV-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5468.0 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

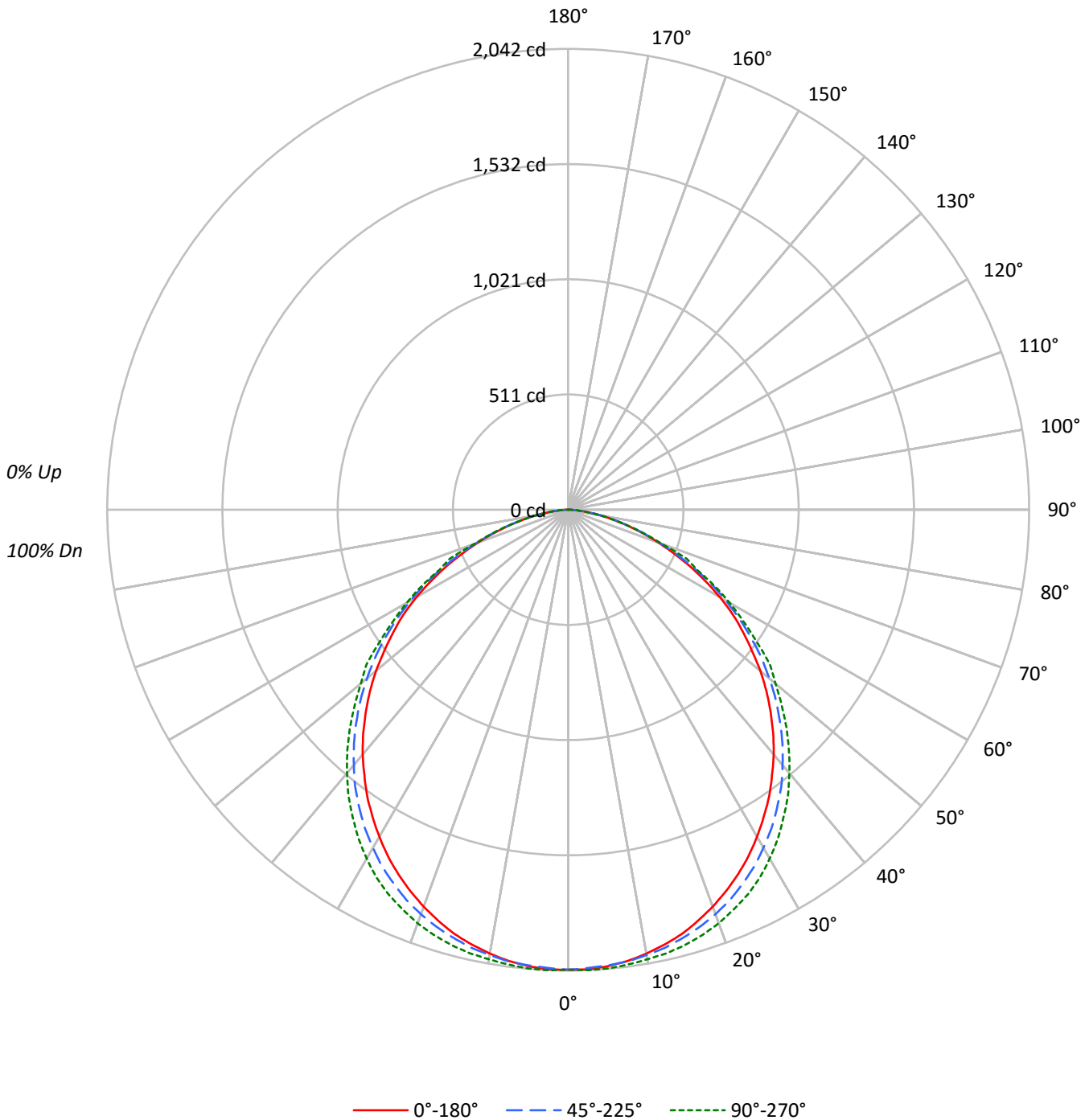
Input Watts (W): 55
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	98	95	93	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72					72			
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	48	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	28	38	32	27	37	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2743	2743	2743
5°	2743	2737	2756
10°	2729	2737	2764
15°	2711	2736	2782
20°	2680	2731	2792
25°	2645	2715	2793
30°	2600	2688	2774
35°	2549	2649	2733
40°	2488	2595	2677
45°	2412	2524	2602
50°	2324	2435	2509
55°	2218	2320	2388
60°	2091	2170	2223
65°	1899	1961	1999
70°	1667	1706	1729
75°	1407	1428	1438
80°	1125	1140	1110
85°	756	787	756



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.2	3.5
10°-20°	555.5	10.2
20°-30°	842.9	15.4
30°-40°	1006.3	18.4
40°-50°	1018.8	18.6
50°-60°	880.6	16.1
60°-70°	610.4	11.2
70°-80°	295.3	5.4
80°-90°	64.9	1.2
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°	1591.6	29.1
0°-40°	2598.0	47.5
0°-60°	4497.4	82.2
0°-90°	5468.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5468.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2038	2038	2038	2038	2038	
5°	2031	2029	2027	2036	2040	193
15°	1946	1950	1964	1987	1997	548
25°	1781	1793	1828	1866	1882	820
35°	1552	1566	1613	1654	1664	969
45°	1267	1285	1326	1360	1368	978
55°	946	956	989	1030	1018	845
65°	596	602	616	626	628	590
75°	271	273	275	273	277	291
85°	49	53	51	49	49	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2038.4	2038.4	2038.4	2038.4	2038.4
2.5°	2038.4	2036.5	2032.5	2038.4	2042.4
5°	2030.6	2028.6	2026.7	2036.5	2040.4
7.5°	2016.9	2016.9	2018.8	2028.6	2032.5
10°	1997.2	1999.2	2003.1	2018.8	2022.7
12.5°	1973.7	1977.6	1987.4	2005.1	2012.9
15°	1946.2	1950.1	1963.9	1987.4	1997.2
17.5°	1910.9	1918.8	1938.4	1965.8	1975.6
20°	1871.7	1881.5	1907.0	1938.4	1950.1
22.5°	1828.5	1838.3	1871.7	1905.0	1916.8
25°	1781.4	1793.2	1828.5	1865.8	1881.5
27.5°	1730.4	1744.1	1783.4	1822.6	1838.3
30°	1673.5	1689.2	1730.4	1771.6	1785.3
32.5°	1612.7	1628.4	1675.5	1714.7	1728.4
35°	1551.9	1565.6	1612.7	1653.9	1663.7
37.5°	1483.2	1498.9	1549.9	1585.2	1599.0
40°	1416.5	1432.2	1477.3	1512.6	1524.4
42.5°	1343.9	1359.6	1404.7	1438.1	1447.9
45°	1267.4	1285.1	1326.3	1359.6	1367.5
47.5°	1190.9	1204.6	1247.8	1277.2	1283.1
50°	1110.4	1124.2	1163.4	1192.8	1198.7
52.5°	1026.1	1047.7	1079.1	1100.6	1126.1
55°	945.6	955.5	988.8	1030.0	1018.2
57.5°	865.2	871.1	898.6	916.2	920.1
60°	776.9	784.8	806.3	816.2	826.0
62.5°	684.7	690.6	716.1	725.9	729.8
65°	596.4	602.3	616.0	625.9	627.8
67.5°	506.2	512.1	523.8	531.7	567.0
70°	423.8	427.7	433.6	449.3	439.5
72.5°	345.3	347.3	353.1	353.1	355.1
75°	270.7	272.7	274.7	272.7	276.6
77.5°	202.1	206.0	208.0	206.0	204.0
80°	145.2	149.1	147.1	143.2	143.2
82.5°	94.2	96.1	94.2	92.2	92.2
85°	49.0	53.0	51.0	49.0	49.0
87.5°	17.7	19.6	21.6	23.5	23.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)