

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: P296966

Luminaire Tested: **D3X-WD-67L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296966
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-67L92765-LD5-UNV-24-T1-W2A-4500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5696.0 lumens
Efficiency: N/A
Efficacy: 114.8 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

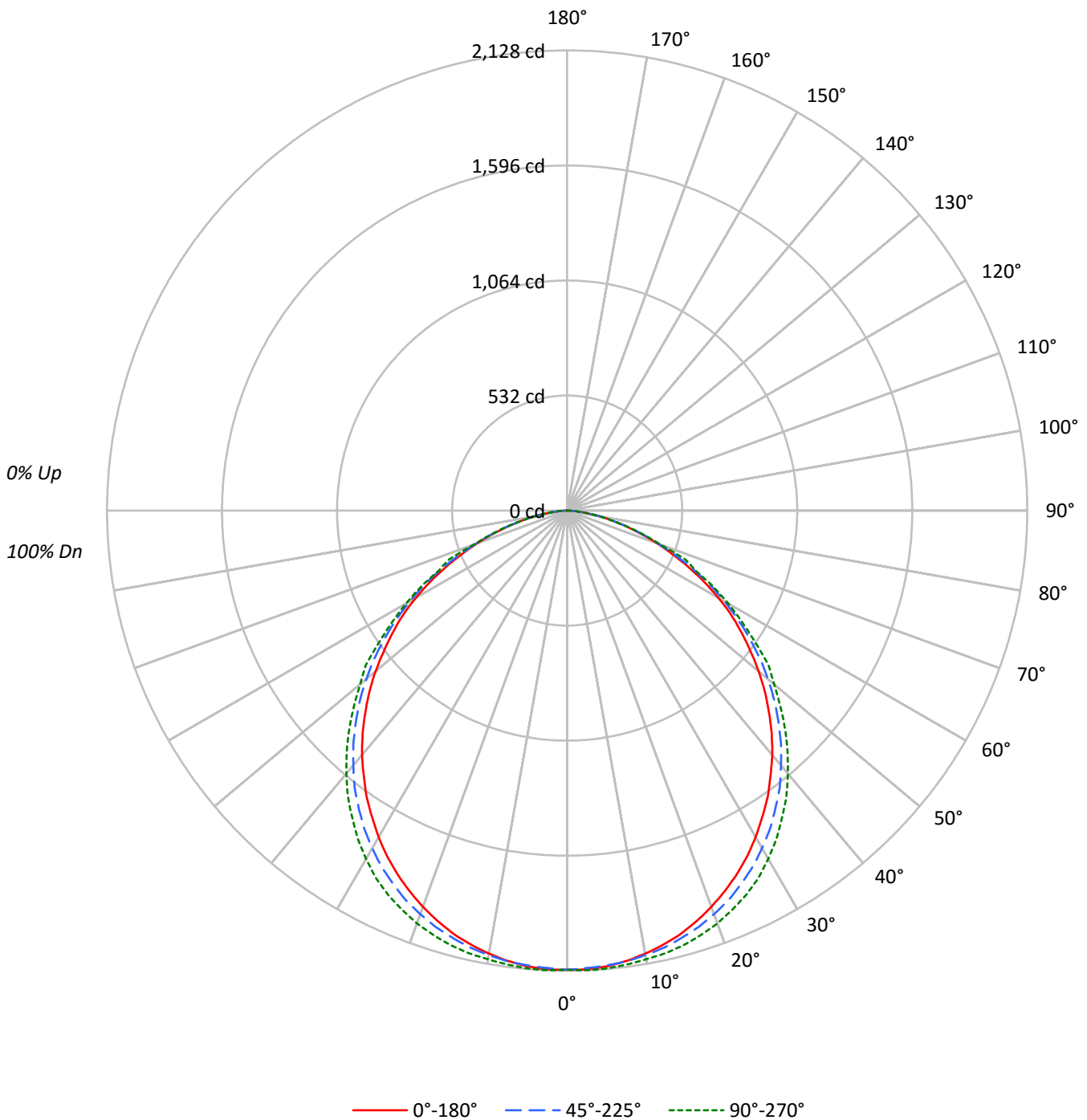
Input Watts (W): 49.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2857	2857	2857
5°	2857	2851	2871
10°	2842	2851	2879
15°	2824	2850	2898
20°	2792	2844	2909
25°	2755	2828	2910
30°	2708	2801	2889
35°	2655	2759	2847
40°	2592	2703	2789
45°	2512	2629	2711
50°	2421	2537	2614
55°	2311	2416	2488
60°	2178	2260	2315
65°	1978	2043	2082
70°	1736	1777	1801
75°	1466	1487	1498
80°	1172	1188	1156
85°	789	820	789



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.2	3.5
10°-20°	578.7	10.2
20°-30°	878.1	15.4
30°-40°	1048.3	18.4
40°-50°	1061.3	18.6
50°-60°	917.3	16.1
60°-70°	635.8	11.2
70°-80°	307.6	5.4
80°-90°	67.6	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°	1658.0	29.1
0°-40°	2706.3	47.5
0°-60°	4684.9	82.2
0°-90°	5696.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5696.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2123	2123	2123	2123	2123	
5°	2115	2113	2111	2121	2126	201
15°	2027	2032	2046	2070	2080	571
25°	1856	1868	1905	1944	1960	855
35°	1617	1631	1680	1723	1733	1010
45°	1320	1339	1382	1416	1424	1018
55°	985	995	1030	1073	1061	880
65°	621	627	642	652	654	615
75°	282	284	286	284	288	303
85°	51	55	53	51	51	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2123.4	2123.4	2123.4	2123.4	2123.4
2.5°	2123.4	2121.4	2117.3	2123.4	2127.5
5°	2115.3	2113.2	2111.2	2121.4	2125.5
7.5°	2100.9	2100.9	2103.0	2113.2	2117.3
10°	2080.5	2082.6	2086.6	2103.0	2107.1
12.5°	2056.0	2060.1	2070.3	2088.7	2096.9
15°	2027.4	2031.5	2045.8	2070.3	2080.5
17.5°	1990.6	1998.8	2019.2	2047.8	2058.0
20°	1949.7	1959.9	1986.5	2019.2	2031.5
22.5°	1904.7	1915.0	1949.7	1984.5	1996.7
25°	1855.7	1868.0	1904.7	1943.6	1959.9
27.5°	1802.6	1816.9	1857.7	1898.6	1915.0
30°	1743.3	1759.6	1802.6	1845.5	1859.8
32.5°	1679.9	1696.3	1745.3	1786.2	1800.5
35°	1616.6	1630.9	1679.9	1722.9	1733.1
37.5°	1545.1	1561.4	1614.5	1651.3	1665.6
40°	1475.6	1491.9	1538.9	1575.7	1588.0
42.5°	1400.0	1416.3	1463.3	1498.0	1508.3
45°	1320.2	1338.6	1381.6	1416.3	1424.5
47.5°	1240.5	1254.8	1299.8	1330.5	1336.6
50°	1156.7	1171.1	1211.9	1242.6	1248.7
52.5°	1068.9	1091.3	1124.0	1146.5	1173.1
55°	985.1	995.3	1030.0	1073.0	1060.7
57.5°	901.3	907.4	936.0	954.4	958.5
60°	809.3	817.5	840.0	850.2	860.4
62.5°	713.3	719.4	746.0	756.2	760.3
65°	621.3	627.4	641.7	651.9	654.0
67.5°	527.3	533.4	545.7	553.8	590.6
70°	441.4	445.5	451.7	468.0	457.8
72.5°	359.7	361.7	367.9	367.9	369.9
75°	282.0	284.1	286.1	284.1	288.2
77.5°	210.5	214.6	216.6	214.6	212.5
80°	151.2	155.3	153.3	149.2	149.2
82.5°	98.1	100.1	98.1	96.1	96.1
85°	51.1	55.2	53.1	51.1	51.1
87.5°	18.4	20.4	22.5	24.5	24.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)