

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: P296822

Luminaire Tested: **D3X-WD-67L82765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296822
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-67L82765-LD5-UNV-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5769.0 lumens
Efficiency: N/A
Efficacy: 118.7 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

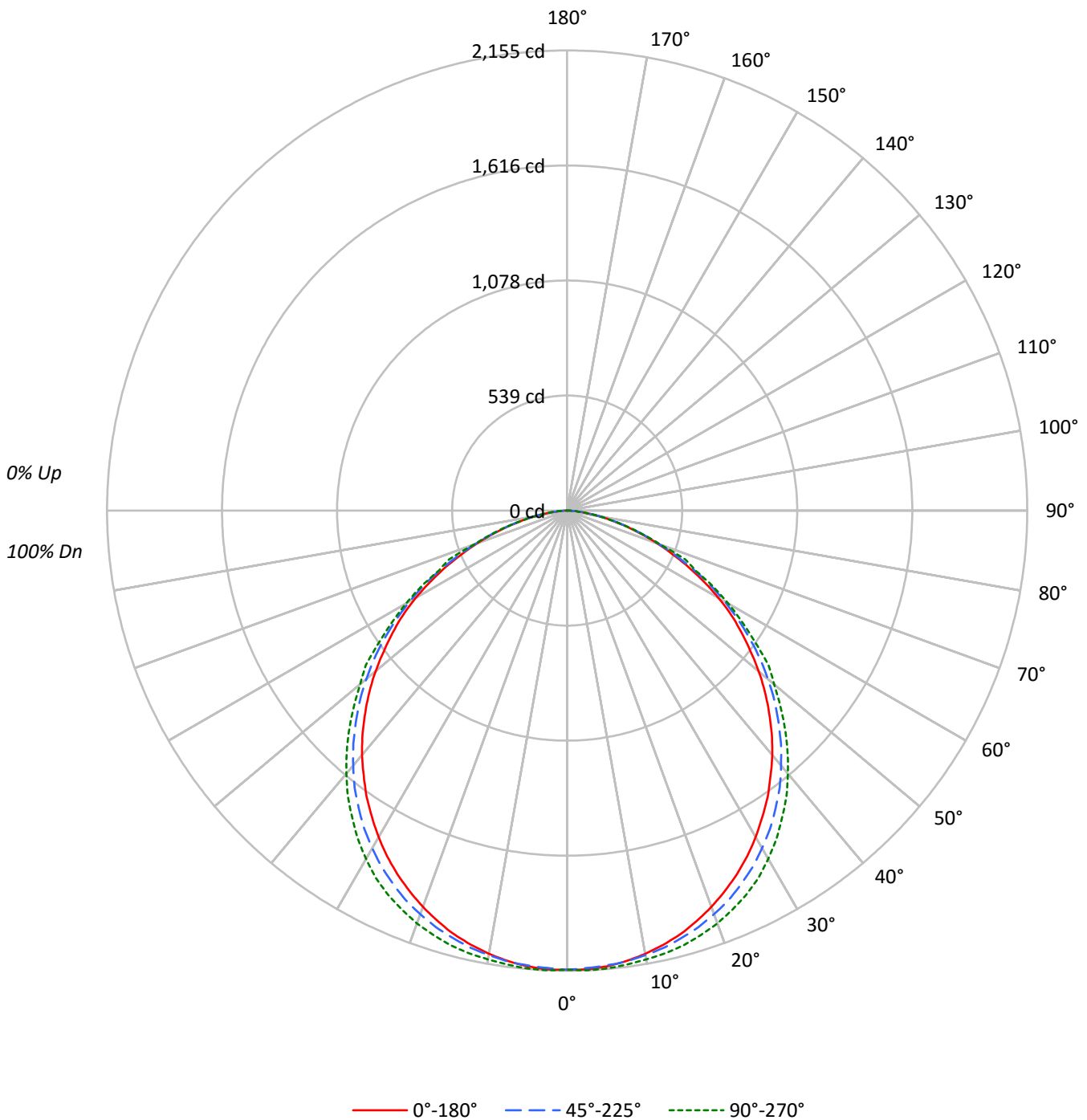
Input Watts (W): 48.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2894	2894	2894
5°	2894	2888	2907
10°	2879	2887	2916
15°	2860	2886	2935
20°	2827	2881	2946
25°	2790	2864	2947
30°	2743	2836	2926
35°	2689	2795	2883
40°	2625	2738	2825
45°	2544	2663	2745
50°	2452	2569	2647
55°	2340	2447	2520
60°	2206	2289	2345
65°	2004	2069	2109
70°	1759	1800	1824
75°	1485	1507	1517
80°	1187	1203	1171
85°	798	831	798



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.8	3.5
10°-20°	586.1	10.2
20°-30°	889.3	15.4
30°-40°	1061.7	18.4
40°-50°	1074.9	18.6
50°-60°	929.1	16.1
60°-70°	644.0	11.2
70°-80°	311.6	5.4
80°-90°	68.5	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°	1679.3	29.1
0°-40°	2741.0	47.5
0°-60°	4745.0	82.2
0°-90°	5769.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5769.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2151	2151	2151	2151	2151	
5°	2142	2140	2138	2149	2153	203
15°	2053	2058	2072	2097	2107	579
25°	1880	1892	1929	1968	1985	866
35°	1637	1652	1702	1745	1755	1023
45°	1337	1356	1399	1434	1443	1031
55°	998	1008	1043	1087	1074	892
65°	629	636	650	660	662	623
75°	286	288	290	288	292	307
85°	52	56	54	52	52	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2150.6	2150.6	2150.6	2150.6	2150.6
2.5°	2150.6	2148.6	2144.4	2150.6	2154.8
5°	2142.4	2140.3	2138.2	2148.6	2152.7
7.5°	2127.9	2127.9	2129.9	2140.3	2144.4
10°	2107.2	2109.2	2113.4	2129.9	2134.1
12.5°	2082.3	2086.5	2096.8	2115.5	2123.7
15°	2053.4	2057.5	2072.0	2096.8	2107.2
17.5°	2016.1	2024.4	2045.1	2074.1	2084.4
20°	1974.7	1985.0	2012.0	2045.1	2057.5
22.5°	1929.2	1939.5	1974.7	2009.9	2022.3
25°	1879.5	1891.9	1929.2	1968.5	1985.0
27.5°	1825.7	1840.2	1881.6	1923.0	1939.5
30°	1765.6	1782.2	1825.7	1869.1	1883.6
32.5°	1701.5	1718.0	1767.7	1809.1	1823.6
35°	1637.3	1651.8	1701.5	1744.9	1755.3
37.5°	1564.9	1581.4	1635.2	1672.5	1687.0
40°	1494.5	1511.0	1558.6	1595.9	1608.3
42.5°	1417.9	1434.5	1482.1	1517.2	1527.6
45°	1337.2	1355.8	1399.3	1434.5	1442.7
47.5°	1256.4	1270.9	1316.5	1347.5	1353.7
50°	1171.6	1186.1	1227.5	1258.5	1264.7
52.5°	1082.6	1105.3	1138.5	1161.2	1188.1
55°	997.7	1008.0	1043.2	1086.7	1074.3
57.5°	912.8	919.0	948.0	966.7	970.8
60°	819.7	828.0	850.7	861.1	871.4
62.5°	722.4	728.6	755.5	765.9	770.0
65°	629.3	635.5	650.0	660.3	662.4
67.5°	534.0	540.2	552.7	560.9	598.2
70°	447.1	451.2	457.5	474.0	463.7
72.5°	364.3	366.4	372.6	372.6	374.7
75°	285.6	287.7	289.8	287.7	291.9
77.5°	213.2	217.3	219.4	217.3	215.3
80°	153.2	157.3	155.2	151.1	151.1
82.5°	99.4	101.4	99.4	97.3	97.3
85°	51.7	55.9	53.8	51.7	51.7
87.5°	18.6	20.7	22.8	24.8	24.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)