

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: P296886

Luminaire Tested: **D3X-WD-67L93050-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296886
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-67L93050-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5771.0 lumens
Efficiency: N/A
Efficacy: 115.7 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

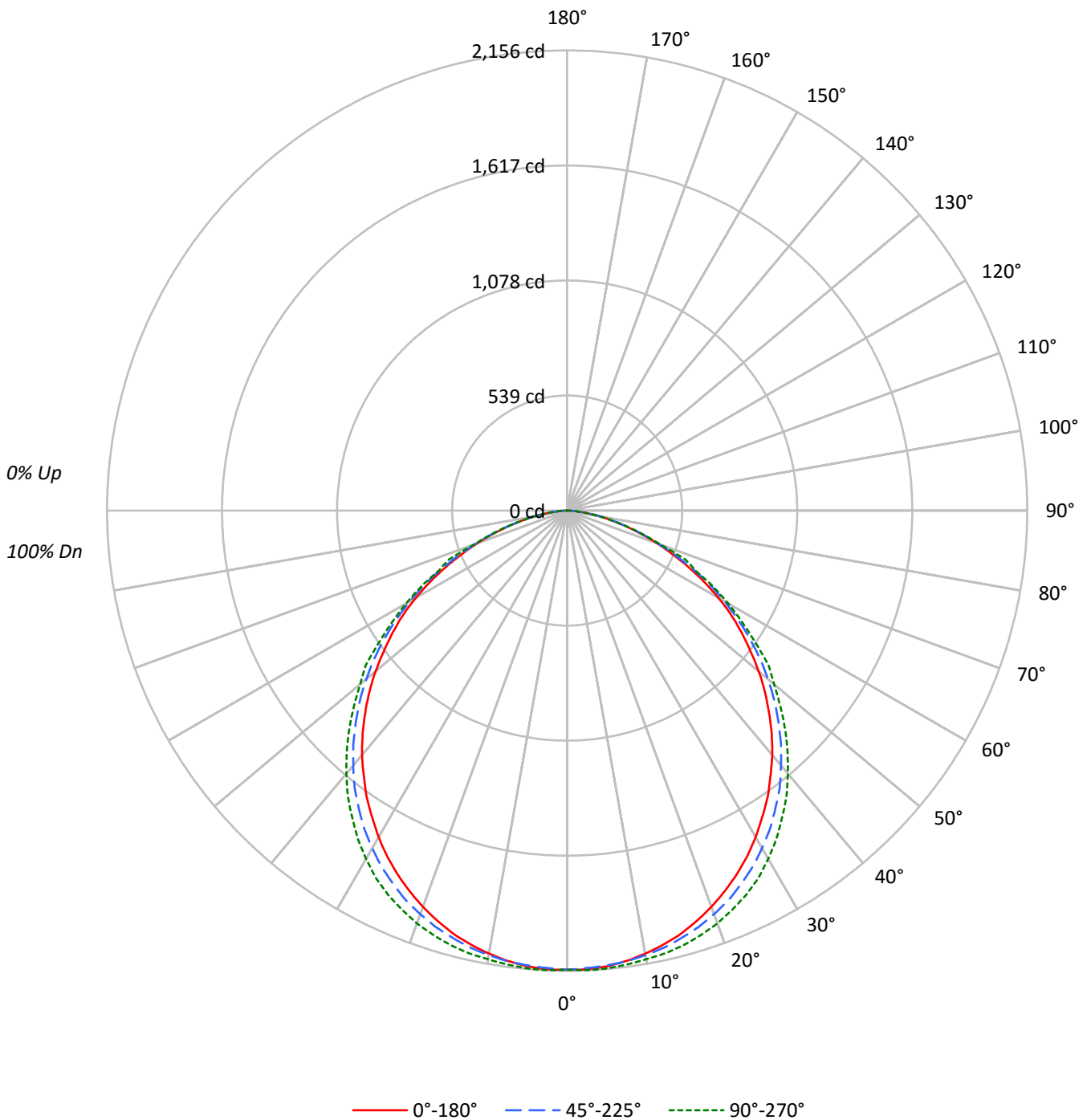
Input Watts (W): 49.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2895	2895	2895
5°	2895	2889	2909
10°	2880	2888	2917
15°	2861	2887	2936
20°	2828	2882	2947
25°	2791	2865	2948
30°	2744	2837	2928
35°	2690	2796	2884
40°	2626	2739	2826
45°	2545	2663	2746
50°	2453	2570	2648
55°	2341	2448	2521
60°	2207	2290	2346
65°	2004	2070	2110
70°	1760	1800	1825
75°	1485	1507	1518
80°	1187	1203	1172
85°	800	831	800



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.9	3.5
10°-20°	586.3	10.2
20°-30°	889.6	15.4
30°-40°	1062.1	18.4
40°-50°	1075.3	18.6
50°-60°	929.4	16.1
60°-70°	644.2	11.2
70°-80°	311.7	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°	1679.8	29.1
0°-40°	2741.9	47.5
0°-60°	4746.6	82.2
0°-90°	5771.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5771.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2151	2151	2151	2151	2151	
5°	2143	2141	2139	2149	2154	203
15°	2054	2058	2073	2098	2108	579
25°	1880	1893	1930	1969	1986	866
35°	1638	1652	1702	1746	1756	1023
45°	1338	1356	1400	1435	1443	1032
55°	998	1008	1044	1087	1075	892
65°	630	636	650	660	663	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°	2151.4	2151.4	2151.4	2151.4	2151.4
2.5°	2151.4	2149.3	2145.2	2151.4	2155.5
5°	2143.1	2141.0	2139.0	2149.3	2153.5
7.5°	2128.6	2128.6	2130.7	2141.0	2145.2
10°	2107.9	2110.0	2114.1	2130.7	2134.8
12.5°	2083.1	2087.2	2097.6	2116.2	2124.5
15°	2054.1	2058.2	2072.7	2097.6	2107.9
17.5°	2016.8	2025.1	2045.8	2074.8	2085.1
20°	1975.4	1985.7	2012.7	2045.8	2058.2
22.5°	1929.8	1940.2	1975.4	2010.6	2023.0
25°	1880.1	1892.6	1929.8	1969.2	1985.7
27.5°	1826.3	1840.8	1882.2	1923.6	1940.2
30°	1766.2	1782.8	1826.3	1869.8	1884.3
32.5°	1702.1	1718.6	1768.3	1809.7	1824.2
35°	1637.9	1652.4	1702.1	1745.5	1755.9
37.5°	1565.4	1582.0	1635.8	1673.1	1687.6
40°	1495.0	1511.6	1559.2	1596.5	1608.9
42.5°	1418.4	1434.9	1482.6	1517.8	1528.1
45°	1337.6	1356.3	1399.7	1434.9	1443.2
47.5°	1256.9	1271.4	1316.9	1348.0	1354.2
50°	1172.0	1186.5	1227.9	1258.9	1265.2
52.5°	1082.9	1105.7	1138.8	1161.6	1188.5
55°	998.0	1008.4	1043.6	1087.1	1074.7
57.5°	913.1	919.4	948.3	967.0	971.1
60°	820.0	828.3	851.0	861.4	871.7
62.5°	722.7	728.9	755.8	766.1	770.3
65°	629.5	635.7	650.2	660.5	662.6
67.5°	534.2	540.4	552.9	561.1	598.4
70°	447.3	451.4	457.6	474.2	463.8
72.5°	364.4	366.5	372.7	372.7	374.8
75°	285.7	287.8	289.9	287.8	292.0
77.5°	213.3	217.4	219.5	217.4	215.3
80°	153.2	157.4	155.3	151.2	151.2
82.5°	99.4	101.5	99.4	97.3	97.3
85°	51.8	55.9	53.8	51.8	51.8
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)