

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: P258401

Luminaire Tested: **D3X-WD-67L835-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258401
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-67L835-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (252) 3500 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6168.6 lumens
Efficiency: N/A
Efficacy: 114.4 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

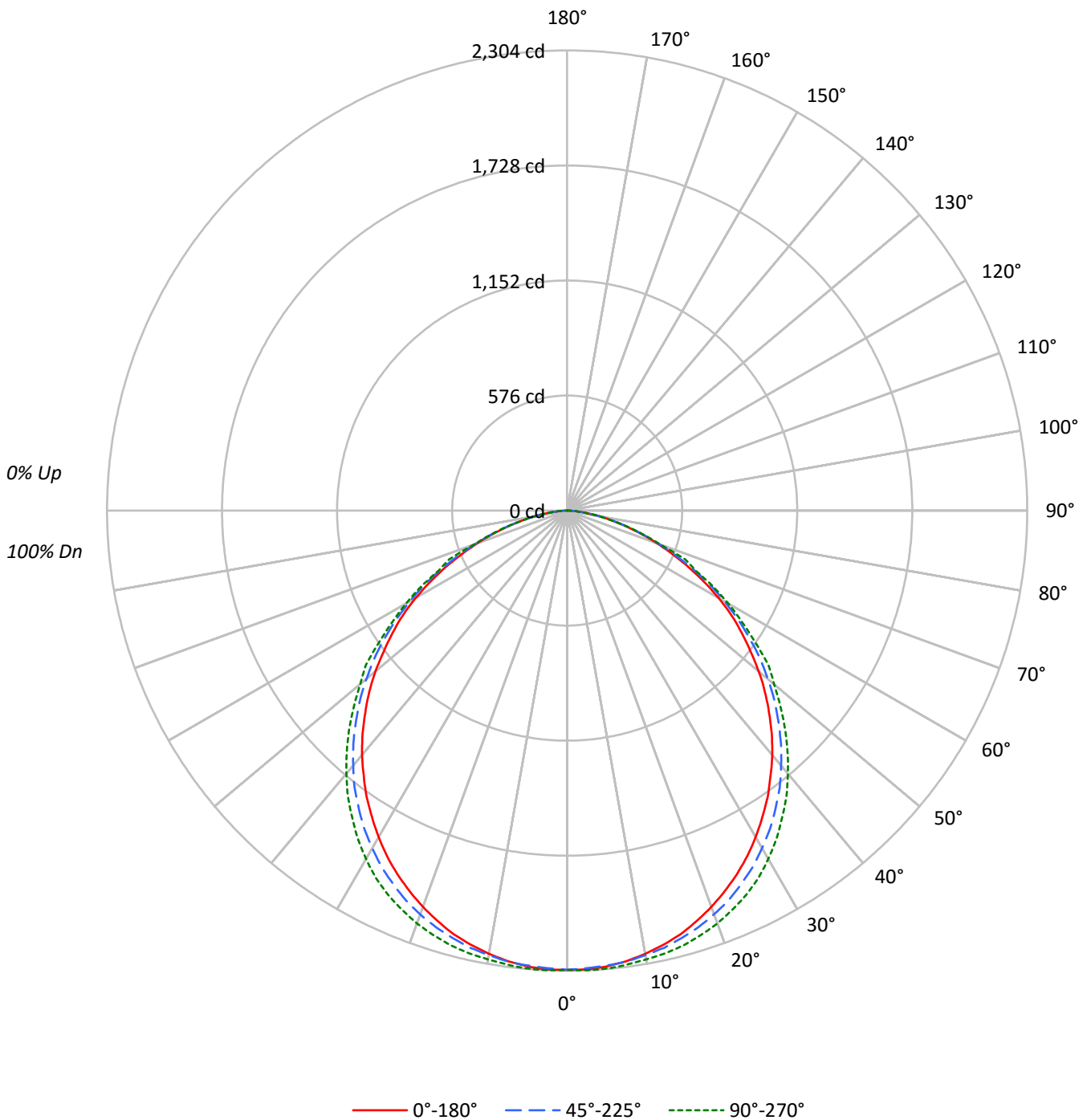
Input Watts (W): 53.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3094	3094	3094
5°	3094	3088	3109
10°	3078	3087	3118
15°	3058	3086	3138
20°	3023	3080	3150
25°	2984	3062	3151
30°	2933	3033	3129
35°	2876	2988	3083
40°	2807	2927	3021
45°	2721	2847	2935
50°	2622	2747	2831
55°	2502	2617	2695
60°	2359	2448	2507
65°	2142	2213	2255
70°	1881	1924	1950
75°	1588	1611	1622
80°	1269	1286	1252
85°	854	888	854



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.9	3.5
10°-20°	626.7	10.2
20°-30°	950.9	15.4
30°-40°	1135.3	18.4
40°-50°	1149.3	18.6
50°-60°	993.5	16.1
60°-70°	688.6	11.2
70°-80°	333.2	5.4
80°-90°	73.2	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°	1795.6	29.1
0°-40°	2930.8	47.5
0°-60°	5073.6	82.2
0°-90°	6168.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6168.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2300	2300	2300	2300	2300	
5°	2291	2288	2286	2297	2302	217
15°	2196	2200	2216	2242	2253	619
25°	2010	2023	2063	2105	2122	926
35°	1751	1766	1819	1866	1877	1094
45°	1430	1450	1496	1534	1543	1103
55°	1067	1078	1116	1162	1149	953
65°	673	680	695	706	708	666
75°	305	308	310	308	312	328
85°	55	60	58	55	55	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2299.6	2299.6	2299.6	2299.6	2299.6
2.5°	2299.6	2297.4	2293.0	2299.6	2304.0
5°	2290.8	2288.5	2286.3	2297.4	2301.8
7.5°	2275.3	2275.3	2277.5	2288.5	2293.0
10°	2253.1	2255.3	2259.8	2277.5	2281.9
12.5°	2226.6	2231.0	2242.1	2262.0	2270.8
15°	2195.6	2200.0	2215.5	2242.1	2253.1
17.5°	2155.7	2164.6	2186.7	2217.7	2228.8
20°	2111.5	2122.5	2151.3	2186.7	2200.0
22.5°	2062.8	2073.9	2111.5	2149.1	2162.4
25°	2009.7	2022.9	2062.8	2104.8	2122.5
27.5°	1952.1	1967.6	2011.9	2056.1	2073.9
30°	1887.9	1905.6	1952.1	1998.6	2014.1
32.5°	1819.3	1837.0	1890.2	1934.4	1949.9
35°	1750.7	1766.2	1819.3	1865.8	1876.9
37.5°	1673.2	1691.0	1748.5	1788.3	1803.8
40°	1598.0	1615.7	1666.6	1706.4	1719.7
42.5°	1516.1	1533.8	1584.7	1622.3	1633.4
45°	1429.8	1449.7	1496.2	1533.8	1542.7
47.5°	1343.5	1359.0	1407.7	1440.9	1447.5
50°	1252.7	1268.2	1312.5	1345.7	1352.3
52.5°	1157.6	1181.9	1217.3	1241.7	1270.4
55°	1066.8	1077.9	1115.5	1162.0	1148.7
57.5°	976.1	982.7	1013.7	1033.6	1038.0
60°	876.5	885.3	909.7	920.7	931.8
62.5°	772.4	779.1	807.9	818.9	823.3
65°	672.8	679.5	695.0	706.0	708.3
67.5°	571.0	577.7	590.9	599.8	639.6
70°	478.1	482.5	489.1	506.8	495.8
72.5°	389.5	391.8	398.4	398.4	400.6
75°	305.4	307.6	309.9	307.6	312.1
77.5°	228.0	232.4	234.6	232.4	230.2
80°	163.8	168.2	166.0	161.6	161.6
82.5°	106.2	108.5	106.2	104.0	104.0
85°	55.3	59.8	57.5	55.3	55.3
87.5°	19.9	22.1	24.3	26.6	26.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)