

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: P258522

Luminaire Tested: **D3X-WO-67L935-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258522
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-67L935-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE
Light Source: (252) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5656.9 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

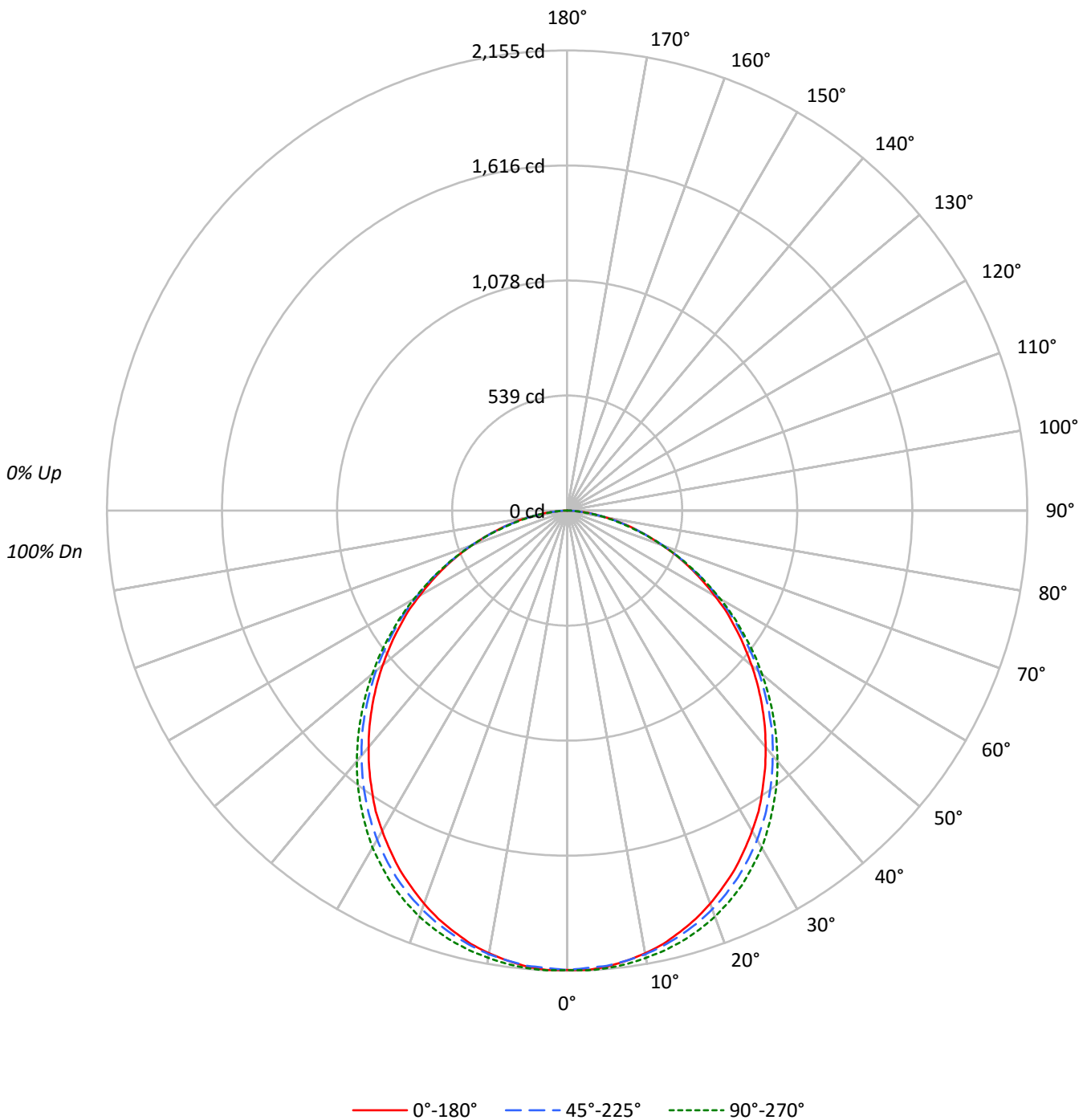
Input Watts (W): 53.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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	2890	2906
10°	2877	2882	2905
15°	2846	2867	2907
20°	2805	2846	2898
25°	2756	2812	2874
30°	2691	2765	2833
35°	2620	2704	2767
40°	2540	2631	2691
45°	2455	2545	2600
50°	2361	2449	2493
55°	2262	2333	2369
60°	2148	2205	2231
65°	2026	2057	2069
70°	1859	1882	1859
75°	1674	1664	1615
80°	1417	1402	1358
85°	1059	1030	912



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.7	3.6
10°-20°	581.9	10.3
20°-30°	872.4	15.4
30°-40°	1027.4	18.2
40°-50°	1027.6	18.2
50°-60°	886.7	15.7
60°-70°	638.0	11.3
70°-80°	338.4	6.0
80°-90°	80.7	1.4
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	29.3
0°-40°	2685.5	47.5
0°-60°	4599.7	81.3
0°-90°	5656.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5656.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2151	2151	2151	2151	2151	
5°	2144	2142	2140	2148	2151	203
15°	2043	2048	2058	2079	2087	576
25°	1856	1868	1894	1927	1936	854
35°	1595	1614	1646	1675	1684	998
45°	1290	1307	1338	1361	1366	995
55°	964	974	995	1012	1010	863
65°	636	638	646	650	650	629
75°	322	318	320	312	311	343
85°	69	69	67	61	59	83
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°	2153.3	2149.5	2143.8	2151.4	2155.2
5°	2143.8	2141.9	2140.0	2147.6	2151.4
7.5°	2126.6	2128.6	2126.6	2138.1	2141.9
10°	2105.7	2107.6	2109.5	2122.8	2126.6
12.5°	2079.0	2080.9	2086.6	2103.8	2109.5
15°	2042.8	2048.5	2058.0	2079.0	2086.6
17.5°	2004.7	2012.3	2025.6	2050.4	2058.0
20°	1959.0	1968.5	1987.5	2014.2	2023.7
22.5°	1907.5	1917.0	1943.7	1972.3	1981.8
25°	1856.1	1867.5	1894.2	1926.6	1936.1
27.5°	1795.1	1810.3	1838.9	1871.3	1878.9
30°	1732.2	1745.5	1779.8	1810.3	1823.7
32.5°	1669.3	1682.6	1715.0	1745.5	1755.1
35°	1595.0	1614.0	1646.4	1675.0	1684.5
37.5°	1522.6	1539.7	1574.0	1602.6	1612.1
40°	1446.3	1461.6	1497.8	1524.5	1532.1
42.5°	1370.1	1385.4	1421.6	1442.5	1450.2
45°	1290.1	1307.2	1337.7	1360.6	1366.3
47.5°	1210.1	1223.4	1252.0	1272.9	1280.6
50°	1128.1	1141.5	1170.0	1187.2	1191.0
52.5°	1046.2	1055.7	1082.4	1097.6	1103.3
55°	964.2	973.8	994.7	1011.9	1010.0
57.5°	886.1	889.9	910.9	922.3	922.3
60°	798.4	802.3	819.4	827.0	828.9
62.5°	716.5	722.2	735.6	737.5	737.5
65°	636.5	638.4	646.0	649.8	649.8
67.5°	556.4	554.5	562.2	562.2	560.2
70°	472.6	476.4	478.3	474.5	472.6
72.5°	396.4	394.5	394.5	392.6	392.6
75°	322.0	318.2	320.1	312.5	310.6
77.5°	253.4	247.7	245.8	242.0	238.2
80°	182.9	182.9	181.0	177.2	175.3
82.5°	122.0	122.0	120.1	116.2	112.4
85°	68.6	68.6	66.7	61.0	59.1
87.5°	22.9	22.9	22.9	22.9	22.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)