

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: P258463

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258463
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-67L935-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (252) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5319.7 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

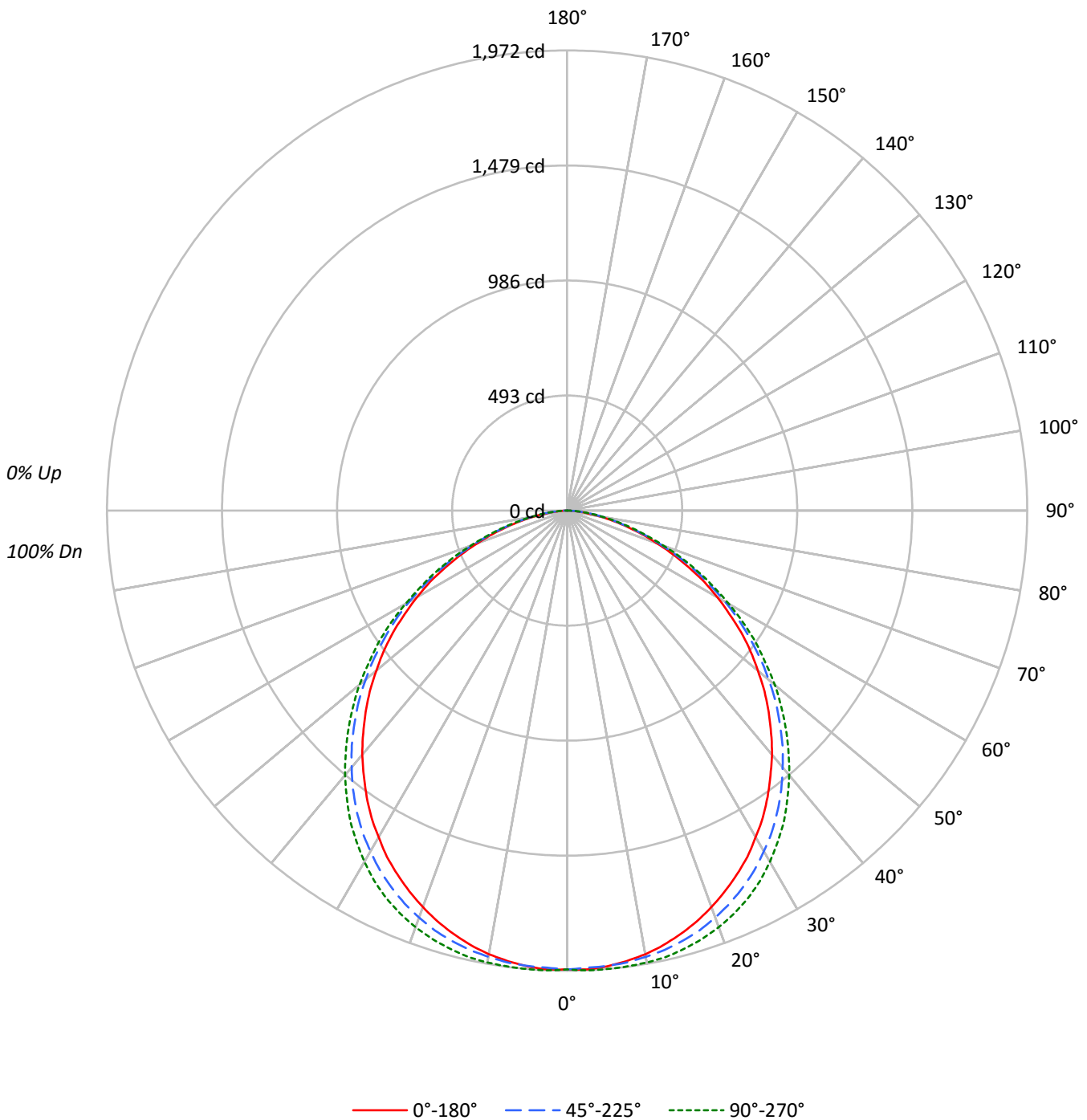
Input Watts (W): 53.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	47	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	27	38	32	27	37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2646	2646	2646
5°	2648	2646	2664
10°	2637	2653	2687
15°	2617	2660	2707
20°	2589	2658	2720
25°	2555	2645	2722
30°	2511	2620	2700
35°	2460	2582	2664
40°	2400	2524	2601
45°	2324	2451	2524
50°	2234	2361	2433
55°	2137	2244	2316
60°	2000	2102	2154
65°	1826	1923	1972
70°	1604	1687	1732
75°	1357	1426	1476
80°	1078	1181	1211
85°	735	883	854



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.9	3.5
10°-20°	539.5	10.1
20°-30°	819.8	15.4
30°-40°	978.3	18.4
40°-50°	988.0	18.6
50°-60°	851.2	16.0
60°-70°	593.4	11.2
70°-80°	294.1	5.5
80°-90°	68.6	1.3
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°	1546.2	29.1
0°-40°	2524.4	47.5
0°-60°	4363.7	82.0
0°-90°	5319.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5319.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1967	1967	1967	1967	1967	
5°	1961	1959	1959	1968	1972	186
15°	1879	1888	1909	1934	1944	530
25°	1721	1744	1782	1818	1833	793
35°	1498	1523	1572	1608	1622	936
45°	1222	1248	1288	1319	1326	942
55°	911	930	957	980	987	812
65°	574	585	604	610	619	570
75°	261	265	274	280	284	281
85°	48	57	57	53	55	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	1968.5	1964.7	1960.9	1968.5	1972.3
5°	1960.9	1959.0	1959.0	1968.5	1972.3
7.5°	1947.5	1947.5	1953.2	1966.6	1970.4
10°	1930.4	1934.2	1941.8	1960.9	1966.6
12.5°	1907.5	1915.1	1928.5	1951.3	1959.0
15°	1878.9	1888.4	1909.4	1934.2	1943.7
17.5°	1846.5	1859.9	1886.5	1915.1	1924.7
20°	1808.4	1825.6	1856.1	1888.4	1899.9
22.5°	1766.5	1787.5	1821.8	1856.1	1869.4
25°	1720.8	1743.6	1781.7	1817.9	1833.2
27.5°	1673.1	1696.0	1737.9	1774.1	1789.4
30°	1615.9	1642.6	1686.5	1724.6	1737.9
32.5°	1560.7	1587.4	1633.1	1667.4	1680.7
35°	1497.8	1522.6	1572.1	1608.3	1621.7
37.5°	1431.1	1459.7	1507.3	1539.7	1551.2
40°	1366.3	1391.1	1436.8	1469.2	1480.6
42.5°	1293.9	1320.6	1366.3	1394.9	1404.4
45°	1221.5	1248.2	1288.2	1318.7	1326.3
47.5°	1147.2	1171.9	1212.0	1236.7	1244.4
50°	1067.1	1090.0	1128.1	1152.9	1162.4
52.5°	990.9	1011.9	1044.3	1065.2	1070.9
55°	910.9	929.9	956.6	979.5	987.1
57.5°	825.1	846.1	870.9	889.9	895.6
60°	743.2	760.3	781.3	798.4	800.4
62.5°	663.1	670.8	689.8	705.1	707.0
65°	573.6	585.0	604.1	609.8	619.3
67.5°	491.6	499.3	514.5	522.1	529.8
70°	407.8	413.5	428.8	438.3	440.2
72.5°	335.4	337.3	348.7	356.3	358.3
75°	261.1	264.9	274.4	280.1	283.9
77.5°	198.2	202.0	209.6	213.4	213.4
80°	139.1	144.8	152.4	154.4	156.3
82.5°	89.6	97.2	102.9	104.8	101.0
85°	47.6	57.2	57.2	53.4	55.3
87.5°	17.2	21.0	22.9	24.8	24.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)