

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: P258521

Luminaire Tested: **D3X-WO-67L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258521
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-67L930-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE
Light Source: (252) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5454.2 lumens
Efficiency: N/A
Efficacy: 101.2 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

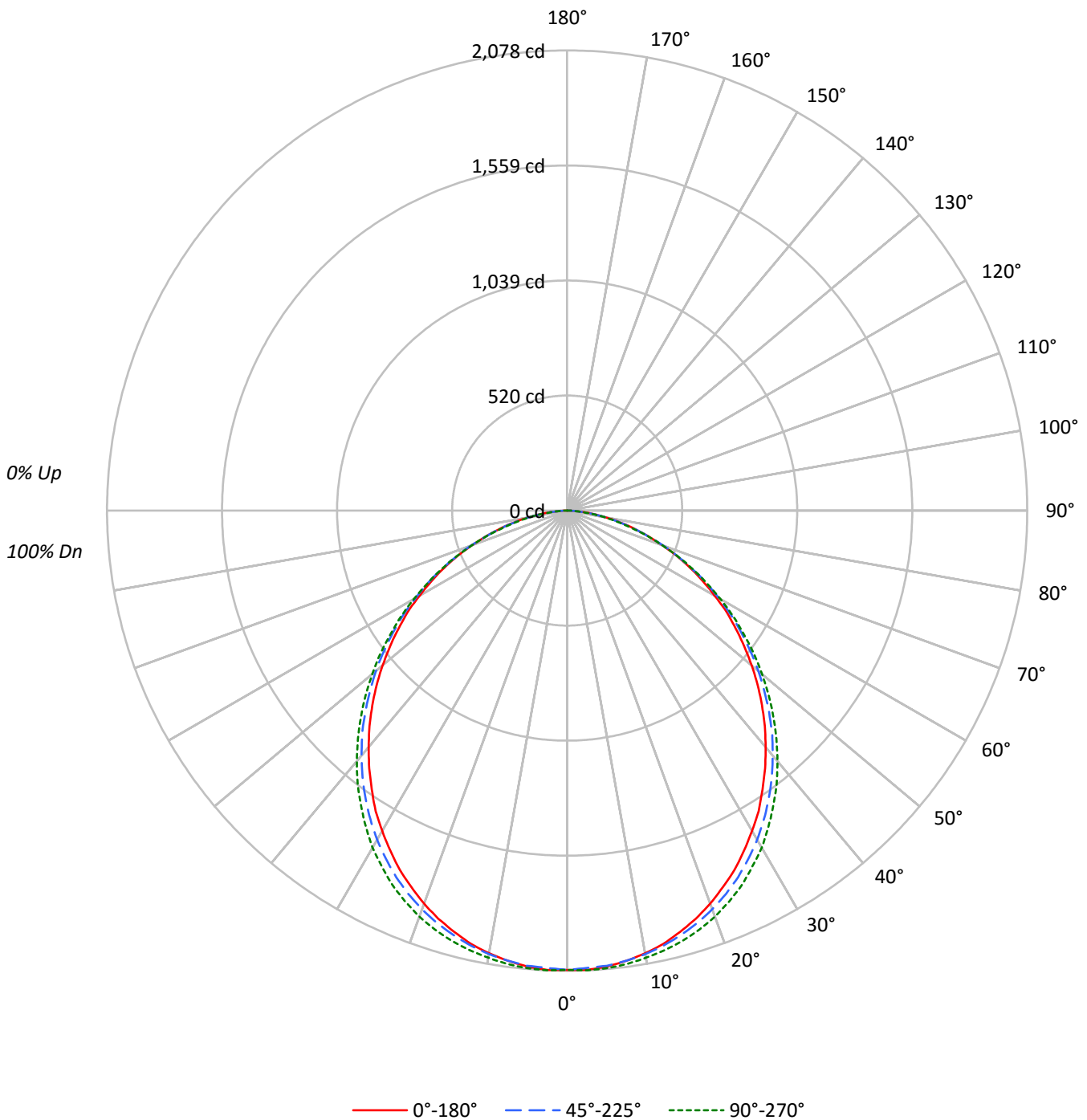
Input Watts (W): 53.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2791	2791	2791
5°	2792	2787	2802
10°	2774	2779	2801
15°	2744	2764	2802
20°	2704	2744	2794
25°	2657	2711	2771
30°	2595	2666	2732
35°	2526	2608	2668
40°	2449	2536	2595
45°	2367	2454	2507
50°	2277	2361	2404
55°	2181	2250	2284
60°	2072	2126	2151
65°	1954	1983	1995
70°	1793	1814	1793
75°	1614	1605	1557
80°	1367	1352	1309
85°	1020	993	880



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.4	3.6
10°-20°	561.0	10.3
20°-30°	841.2	15.4
30°-40°	990.6	18.2
40°-50°	990.8	18.2
50°-60°	854.9	15.7
60°-70°	615.1	11.3
70°-80°	326.3	6.0
80°-90°	77.8	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°	1598.6	29.3
0°-40°	2589.3	47.5
0°-60°	4435.0	81.3
0°-90°	5454.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5454.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2074	2074	2074	2074	2074	
5°	2067	2065	2063	2071	2074	196
15°	1970	1975	1984	2004	2012	555
25°	1790	1801	1826	1858	1867	823
35°	1538	1556	1588	1615	1624	962
45°	1244	1260	1290	1312	1317	960
55°	930	939	959	976	974	832
65°	614	616	623	626	626	607
75°	310	307	309	301	300	330
85°	66	66	64	59	57	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2074.3	2074.3	2074.3	2074.3	2074.3
2.5°	2076.2	2072.5	2067.0	2074.3	2078.0
5°	2067.0	2065.2	2063.3	2070.7	2074.3
7.5°	2050.5	2052.3	2050.5	2061.5	2065.2
10°	2030.3	2032.1	2033.9	2046.8	2050.5
12.5°	2004.5	2006.4	2011.9	2028.4	2033.9
15°	1969.6	1975.1	1984.3	2004.5	2011.9
17.5°	1932.9	1940.2	1953.1	1977.0	1984.3
20°	1888.8	1898.0	1916.3	1942.1	1951.2
22.5°	1839.2	1848.4	1874.1	1901.6	1910.8
25°	1789.6	1800.6	1826.3	1857.5	1866.7
27.5°	1730.8	1745.5	1773.0	1804.3	1811.6
30°	1670.1	1683.0	1716.1	1745.5	1758.3
32.5°	1609.5	1622.4	1653.6	1683.0	1692.2
35°	1537.8	1556.2	1587.5	1615.0	1624.2
37.5°	1468.0	1484.6	1517.6	1545.2	1554.4
40°	1394.5	1409.2	1444.1	1469.9	1477.2
42.5°	1321.0	1335.7	1370.6	1390.9	1398.2
45°	1243.9	1260.4	1289.8	1311.9	1317.4
47.5°	1166.7	1179.6	1207.1	1227.3	1234.7
50°	1087.7	1100.6	1128.1	1144.7	1148.3
52.5°	1008.7	1017.9	1043.6	1058.3	1063.8
55°	929.7	938.9	959.1	975.6	973.8
57.5°	854.4	858.0	878.2	889.3	889.3
60°	769.8	773.5	790.1	797.4	799.2
62.5°	690.8	696.3	709.2	711.0	711.0
65°	613.7	615.5	622.9	626.5	626.5
67.5°	536.5	534.7	542.0	542.0	540.2
70°	455.7	459.3	461.2	457.5	455.7
72.5°	382.2	380.3	380.3	378.5	378.5
75°	310.5	306.8	308.7	301.3	299.5
77.5°	244.4	238.9	237.0	233.3	229.7
80°	176.4	176.4	174.5	170.9	169.0
82.5°	117.6	117.6	115.8	112.1	108.4
85°	66.1	66.1	64.3	58.8	57.0
87.5°	22.0	22.0	22.0	22.0	22.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)