

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: P258403

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258403
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-67L930-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (252) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5120.7 lumens
Efficiency: N/A
Efficacy: 95.0 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

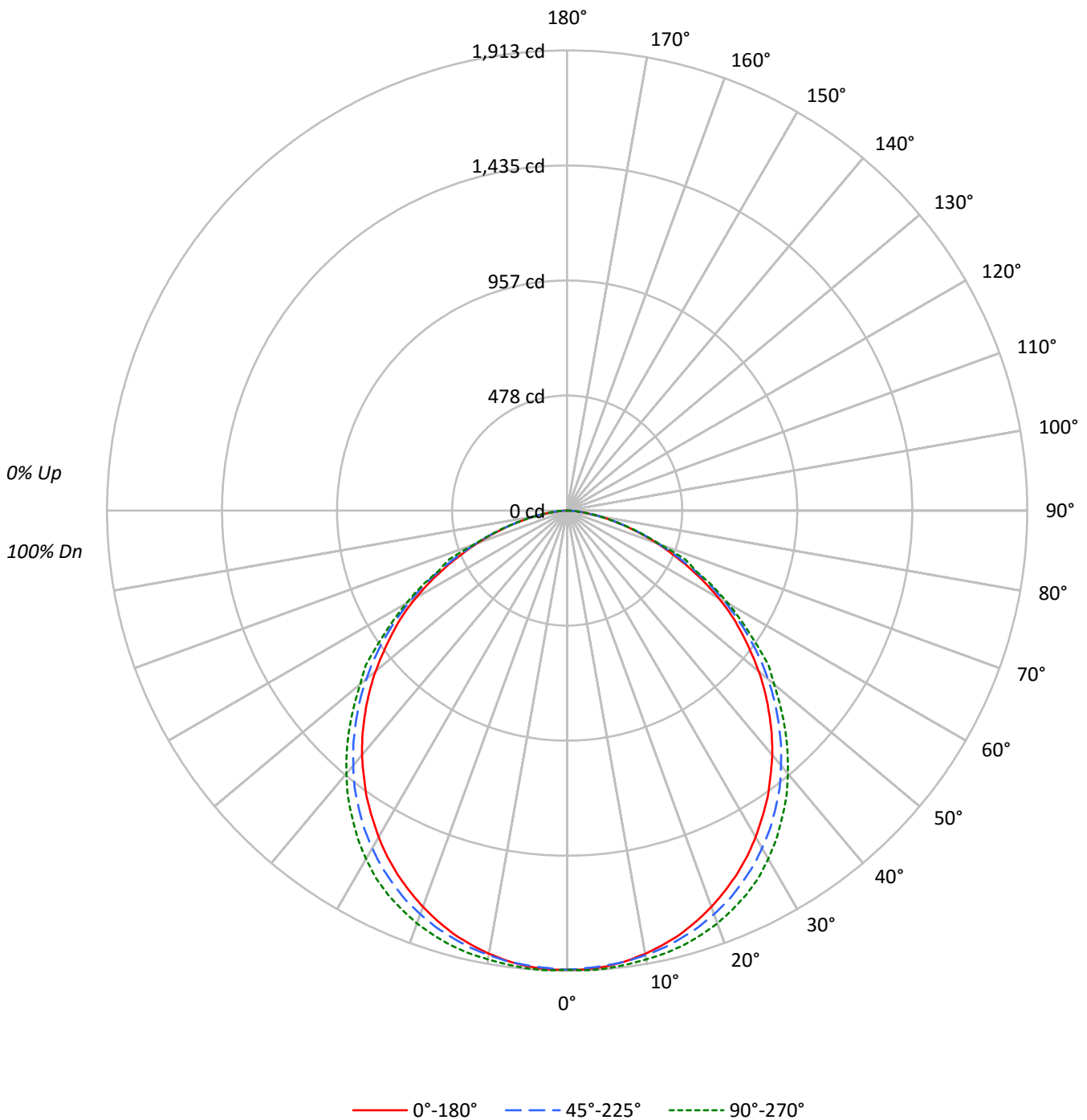
Input Watts (W): 53.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P258403

CATALOG NUMBER: D3X-WD-67L930-LD5-UNV-24-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P258403

CATALOG NUMBER: D3X-WD-67L930-LD5-UNV-24-T1-STD

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°	2569	2569	2569
5°	2568	2563	2581
10°	2555	2563	2588
15°	2539	2562	2605
20°	2510	2557	2615
25°	2477	2542	2616
30°	2435	2518	2598
35°	2387	2481	2559
40°	2330	2430	2507
45°	2258	2363	2437
50°	2177	2281	2350
55°	2077	2172	2237
60°	1958	2032	2081
65°	1778	1837	1872
70°	1561	1598	1619
75°	1318	1337	1347
80°	1054	1068	1039
85°	709	738	709



TEST NUMBER: P258403

CATALOG NUMBER: D3X-WD-67L930-LD5-UNV-24-T1-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.9	3.5
10°-20°	520.3	10.2
20°-30°	789.4	15.4
30°-40°	942.4	18.4
40°-50°	954.1	18.6
50°-60°	824.7	16.1
60°-70°	571.6	11.2
70°-80°	276.6	5.4
80°-90°	60.8	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°	1490.6	29.1
0°-40°	2433.0	47.5
0°-60°	4211.8	82.2
0°-90°	5120.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5120.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1909	1909	1909	1909	1909	
5°	1902	1900	1898	1907	1911	181
15°	1823	1826	1839	1861	1870	514
25°	1668	1679	1712	1747	1762	768
35°	1453	1466	1510	1549	1558	908
45°	1187	1204	1242	1273	1281	915
55°	886	895	926	965	954	791
65°	558	564	577	586	588	553
75°	254	255	257	255	259	272
85°	46	50	48	46	46	59
90°	0	0	0	0	0	



TEST NUMBER: P258403

CATALOG NUMBER: D3X-WD-67L930-LD5-UNV-24-T1-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1909.0	1909.0	1909.0	1909.0	1909.0
2.5°	1909.0	1907.2	1903.5	1909.0	1912.7
5°	1901.6	1899.8	1898.0	1907.2	1910.8
7.5°	1888.8	1888.8	1890.6	1899.8	1903.5
10°	1870.4	1872.2	1875.9	1890.6	1894.3
12.5°	1848.4	1852.0	1861.2	1877.8	1885.1
15°	1822.6	1826.3	1839.2	1861.2	1870.4
17.5°	1789.6	1796.9	1815.3	1841.0	1850.2
20°	1752.8	1762.0	1785.9	1815.3	1826.3
22.5°	1712.4	1721.6	1752.8	1784.1	1795.1
25°	1668.3	1679.3	1712.4	1747.3	1762.0
27.5°	1620.5	1633.4	1670.1	1706.9	1721.6
30°	1567.2	1581.9	1620.5	1659.1	1672.0
32.5°	1510.3	1525.0	1569.1	1605.8	1618.7
35°	1453.3	1466.2	1510.3	1548.9	1558.1
37.5°	1389.0	1403.7	1451.5	1484.6	1497.4
40°	1326.6	1341.3	1383.5	1416.6	1427.6
42.5°	1258.6	1273.3	1315.5	1346.8	1356.0
45°	1186.9	1203.5	1242.0	1273.3	1280.6
47.5°	1115.3	1128.1	1168.5	1196.1	1201.6
50°	1039.9	1052.8	1089.5	1117.1	1122.6
52.5°	960.9	981.1	1010.5	1030.7	1054.6
55°	885.6	894.8	926.0	964.6	953.6
57.5°	810.3	815.8	841.5	858.0	861.7
60°	727.6	734.9	755.1	764.3	773.5
62.5°	641.2	646.7	670.6	679.8	683.5
65°	558.5	564.1	576.9	586.1	587.9
67.5°	474.0	479.5	490.6	497.9	531.0
70°	396.9	400.5	406.1	420.7	411.6
72.5°	323.4	325.2	330.7	330.7	332.6
75°	253.6	255.4	257.2	255.4	259.1
77.5°	189.2	192.9	194.8	192.9	191.1
80°	136.0	139.6	137.8	134.1	134.1
82.5°	88.2	90.0	88.2	86.4	86.4
85°	45.9	49.6	47.8	45.9	45.9
87.5°	16.5	18.4	20.2	22.0	22.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)