

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: P258405

Luminaire Tested: **D3X-WD-67L940-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258405
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-67L940-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (252) 4000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5448.8 lumens
Efficiency: N/A
Efficacy: 101.1 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

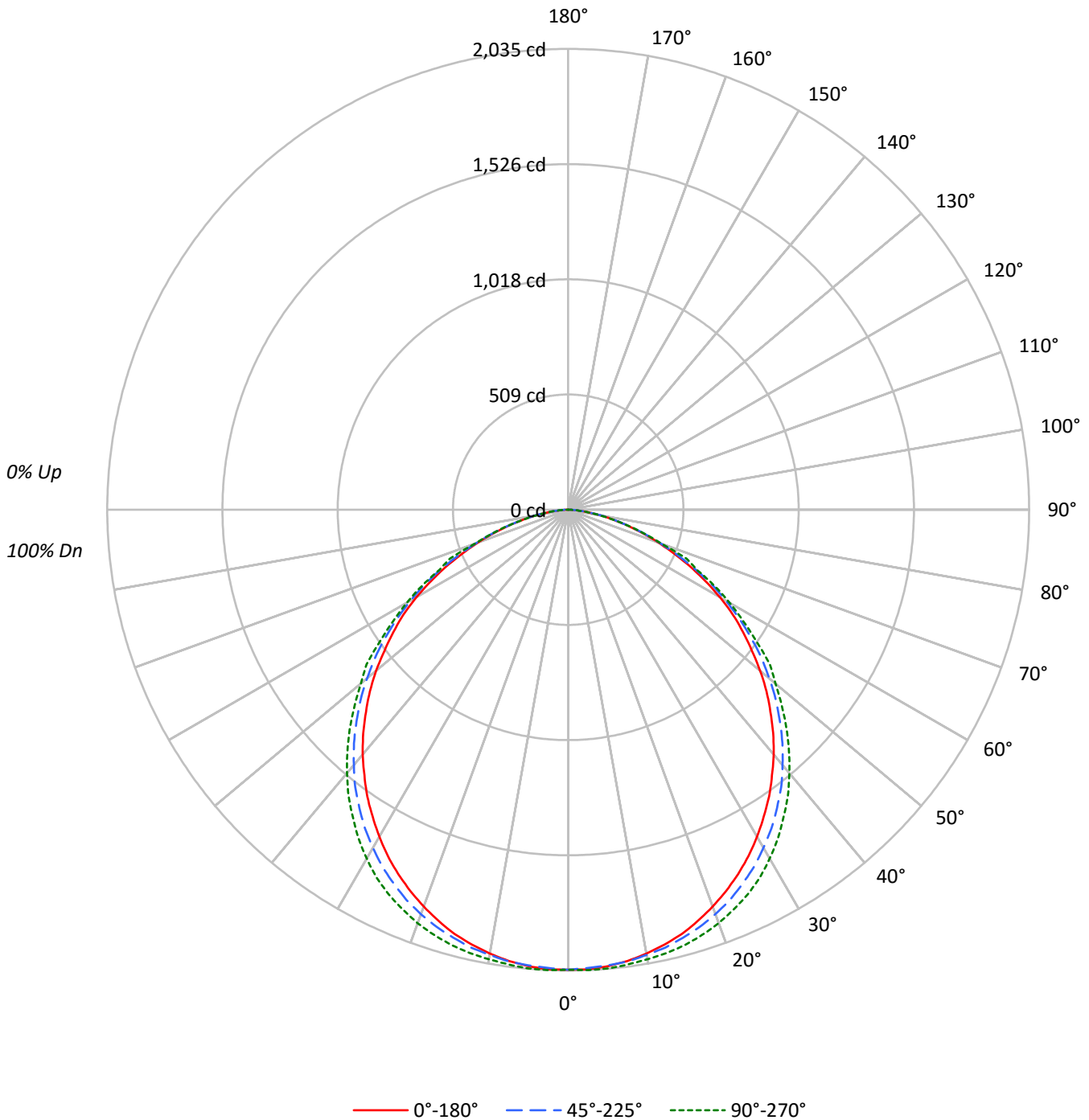
Input Watts (W): 53.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2733	2733	2733
5°	2733	2728	2746
10°	2719	2727	2754
15°	2701	2726	2772
20°	2671	2721	2782
25°	2635	2705	2783
30°	2591	2679	2764
35°	2540	2640	2723
40°	2479	2586	2668
45°	2403	2515	2593
50°	2316	2427	2500
55°	2210	2311	2380
60°	2083	2162	2215
65°	1892	1954	1992
70°	1661	1700	1723
75°	1403	1423	1433
80°	1121	1136	1106
85°	755	784	755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.5	3.5
10°-20°	553.6	10.2
20°-30°	839.9	15.4
30°-40°	1002.8	18.4
40°-50°	1015.2	18.6
50°-60°	877.5	16.1
60°-70°	608.2	11.2
70°-80°	294.3	5.4
80°-90°	64.7	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°	1586.0	29.1
0°-40°	2588.8	47.5
0°-60°	4481.6	82.2
0°-90°	5448.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5448.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2031	2031	2031	2031	2031	
5°	2023	2022	2020	2029	2033	192
15°	1939	1943	1957	1980	1990	547
25°	1775	1787	1822	1859	1875	818
35°	1546	1560	1607	1648	1658	966
45°	1263	1280	1322	1355	1363	974
55°	942	952	985	1026	1015	842
65°	594	600	614	624	626	588
75°	270	272	274	272	276	290
85°	49	53	51	49	49	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2031.3	2031.3	2031.3	2031.3	2031.3
2.5°	2031.3	2029.3	2025.4	2031.3	2035.2
5°	2023.4	2021.5	2019.5	2029.3	2033.2
7.5°	2009.8	2009.8	2011.7	2021.5	2025.4
10°	1990.2	1992.2	1996.1	2011.7	2015.6
12.5°	1966.7	1970.7	1980.4	1998.0	2005.8
15°	1939.4	1943.3	1957.0	1980.4	1990.2
17.5°	1904.2	1912.0	1931.6	1958.9	1968.7
20°	1865.1	1874.9	1900.3	1931.6	1943.3
22.5°	1822.1	1831.8	1865.1	1898.3	1910.0
25°	1775.1	1786.9	1822.1	1859.2	1874.9
27.5°	1724.3	1738.0	1777.1	1816.2	1831.8
30°	1667.6	1683.3	1724.3	1765.4	1779.1
32.5°	1607.0	1622.7	1669.6	1708.7	1722.4
35°	1546.4	1560.1	1607.0	1648.1	1657.8
37.5°	1478.0	1493.6	1544.5	1579.6	1593.3
40°	1411.5	1427.2	1472.1	1507.3	1519.0
42.5°	1339.2	1354.8	1399.8	1433.0	1442.8
45°	1262.9	1280.5	1321.6	1354.8	1362.6
47.5°	1186.7	1200.4	1243.4	1272.7	1278.6
50°	1106.5	1120.2	1159.3	1188.6	1194.5
52.5°	1022.5	1044.0	1075.3	1096.8	1122.2
55°	942.3	952.1	985.3	1026.4	1014.7
57.5°	862.2	868.0	895.4	913.0	916.9
60°	774.2	782.0	803.5	813.3	823.1
62.5°	682.3	688.2	713.6	723.4	727.3
65°	594.3	600.2	613.9	623.6	625.6
67.5°	504.4	510.3	522.0	529.8	565.0
70°	422.3	426.2	432.1	447.7	437.9
72.5°	344.1	346.0	351.9	351.9	353.9
75°	269.8	271.7	273.7	271.7	275.7
77.5°	201.4	205.3	207.2	205.3	203.3
80°	144.7	148.6	146.6	142.7	142.7
82.5°	93.8	95.8	93.8	91.9	91.9
85°	48.9	52.8	50.8	48.9	48.9
87.5°	17.6	19.6	21.5	23.5	23.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)