

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: P258516

Luminaire Tested: **D3X-WO-60L935-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258516
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-60L935-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: 5023.6 lumens
Efficiency: N/A
Efficacy: 105.3 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

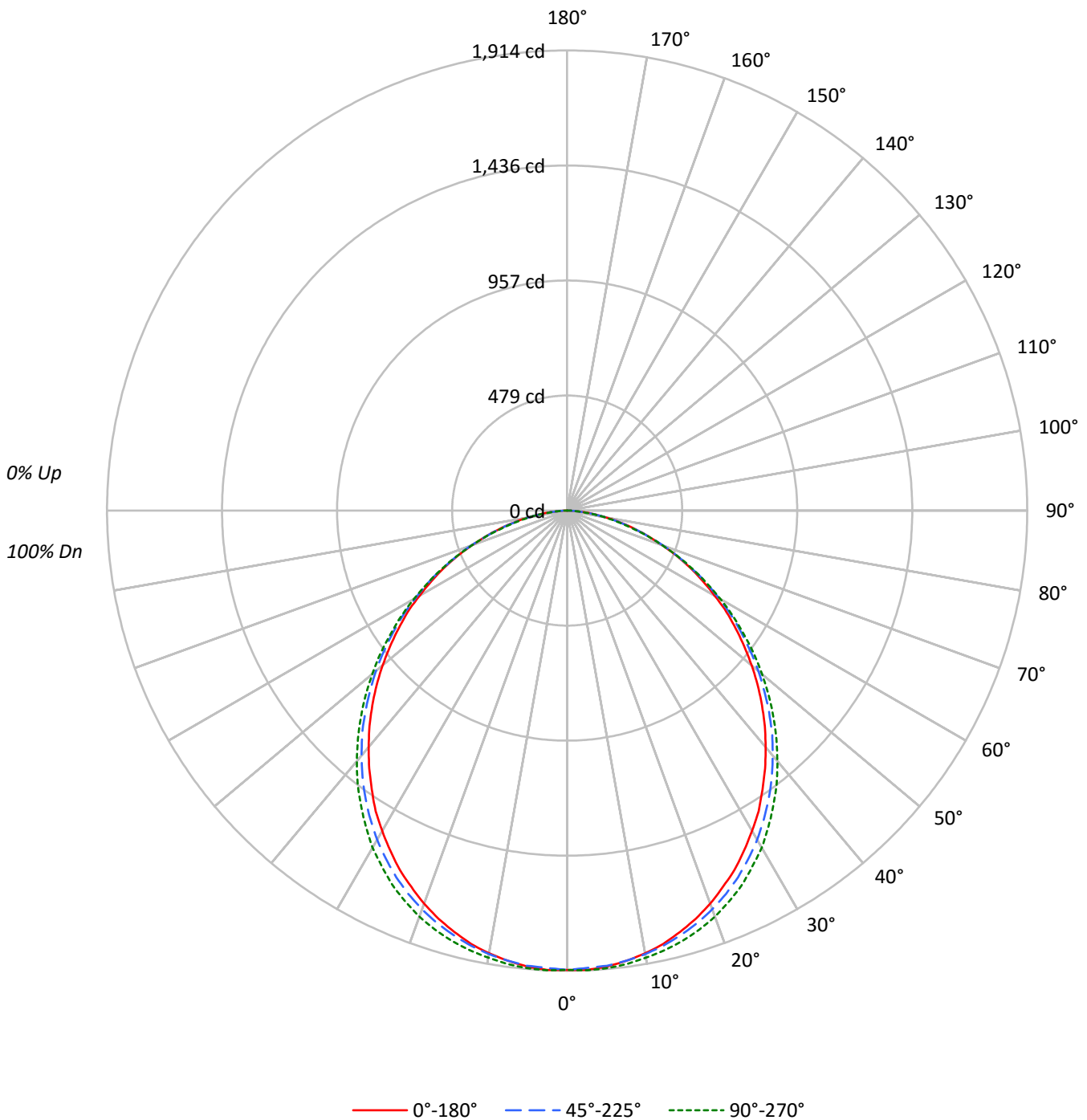
Input Watts (W): 47.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2571	2571	2571
5°	2571	2567	2581
10°	2555	2559	2580
15°	2527	2546	2581
20°	2491	2527	2573
25°	2447	2497	2552
30°	2390	2456	2516
35°	2326	2402	2457
40°	2256	2336	2390
45°	2180	2261	2309
50°	2097	2175	2214
55°	2009	2072	2104
60°	1908	1958	1981
65°	1799	1826	1837
70°	1651	1671	1651
75°	1487	1478	1434
80°	1259	1246	1206
85°	940	914	810



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.9	3.6
10°-20°	516.7	10.3
20°-30°	774.8	15.4
30°-40°	912.4	18.2
40°-50°	912.6	18.2
50°-60°	787.4	15.7
60°-70°	566.6	11.3
70°-80°	300.5	6.0
80°-90°	71.7	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°	1472.4	29.3
0°-40°	2384.8	47.5
0°-60°	4084.8	81.3
0°-90°	5023.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5023.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1911	1911	1911	1911	1911	
5°	1904	1902	1900	1907	1911	181
15°	1814	1819	1828	1846	1853	512
25°	1648	1658	1682	1711	1719	758
35°	1416	1433	1462	1488	1496	886
45°	1146	1161	1188	1208	1213	884
55°	856	865	883	899	897	766
65°	565	567	574	577	577	559
75°	286	283	284	278	276	304
85°	61	61	59	54	52	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1910.6	1910.6	1910.6	1910.6	1910.6
2.5°	1912.3	1908.9	1903.8	1910.6	1913.9
5°	1903.8	1902.1	1900.4	1907.2	1910.6
7.5°	1888.6	1890.3	1888.6	1898.7	1902.1
10°	1869.9	1871.6	1873.3	1885.2	1888.6
12.5°	1846.3	1847.9	1853.0	1868.3	1873.3
15°	1814.1	1819.2	1827.6	1846.3	1853.0
17.5°	1780.3	1787.0	1798.9	1820.9	1827.6
20°	1739.6	1748.1	1765.0	1788.7	1797.2
22.5°	1694.0	1702.4	1726.1	1751.5	1759.9
25°	1648.3	1658.4	1682.1	1710.9	1719.3
27.5°	1594.1	1607.6	1633.0	1661.8	1668.6
30°	1538.3	1550.1	1580.6	1607.6	1619.5
32.5°	1482.4	1494.3	1523.0	1550.1	1558.6
35°	1416.4	1433.3	1462.1	1487.5	1496.0
37.5°	1352.1	1367.3	1397.8	1423.2	1431.7
40°	1284.4	1298.0	1330.1	1353.8	1360.6
42.5°	1216.7	1230.3	1262.4	1281.0	1287.8
45°	1145.7	1160.9	1188.0	1208.3	1213.3
47.5°	1074.6	1086.4	1111.8	1130.4	1137.2
50°	1001.8	1013.7	1039.0	1054.3	1057.7
52.5°	929.0	937.5	961.2	974.7	979.8
55°	856.3	864.7	883.4	898.6	896.9
57.5°	786.9	790.3	808.9	819.1	819.1
60°	709.1	712.4	727.7	734.4	736.1
62.5°	636.3	641.4	653.2	654.9	654.9
65°	565.2	566.9	573.7	577.1	577.1
67.5°	494.1	492.4	499.2	499.2	497.5
70°	419.7	423.1	424.8	421.4	419.7
72.5°	352.0	350.3	350.3	348.6	348.6
75°	286.0	282.6	284.3	277.5	275.8
77.5°	225.1	220.0	218.3	214.9	211.5
80°	162.5	162.5	160.8	157.4	155.7
82.5°	108.3	108.3	106.6	103.2	99.8
85°	60.9	60.9	59.2	54.2	52.5
87.5°	20.3	20.3	20.3	20.3	20.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)