

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: P258457

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258457
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-60L935-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: 4724.1 lumens
Efficiency: N/A
Efficacy: 99.0 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

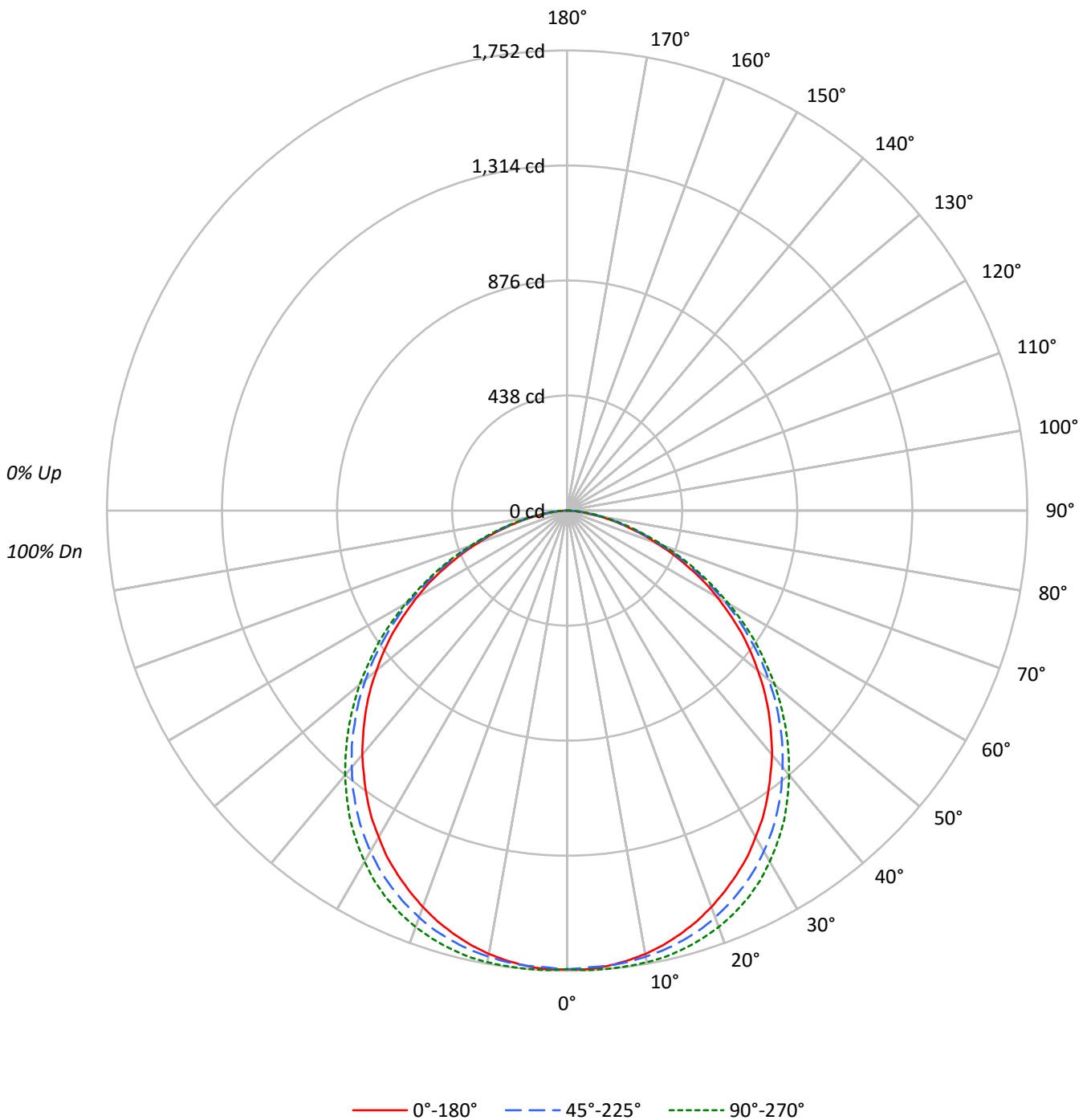
Input Watts (W): 47.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2350	2350	2350
5°	2352	2350	2366
10°	2342	2356	2386
15°	2324	2362	2404
20°	2300	2360	2416
25°	2269	2349	2417
30°	2229	2327	2398
35°	2185	2293	2365
40°	2131	2241	2310
45°	2064	2177	2241
50°	1984	2097	2161
55°	1898	1993	2056
60°	1776	1867	1912
65°	1622	1708	1751
70°	1424	1498	1538
75°	1205	1267	1311
80°	957	1049	1075
85°	653	784	758



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.9	3.5
10°-20°	479.1	10.1
20°-30°	728.0	15.4
30°-40°	868.7	18.4
40°-50°	877.4	18.6
50°-60°	755.9	16.0
60°-70°	527.0	11.2
70°-80°	261.1	5.5
80°-90°	60.9	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°	1373.0	29.1
0°-40°	2241.8	47.5
0°-60°	3875.1	82.0
0°-90°	4724.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4724.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1746	1746	1746	1746	1746	
5°	1741	1740	1740	1748	1752	165
15°	1669	1677	1696	1718	1726	471
25°	1528	1548	1582	1614	1628	704
35°	1330	1352	1396	1428	1440	831
45°	1085	1108	1144	1171	1178	836
55°	809	826	850	870	877	721
65°	509	520	536	542	550	506
75°	232	235	244	249	252	250
85°	42	51	51	47	49	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1746.4	1746.4	1746.4	1746.4	1746.4
2.5°	1748.1	1744.7	1741.3	1748.1	1751.5
5°	1741.3	1739.6	1739.6	1748.1	1751.5
7.5°	1729.5	1729.5	1734.6	1746.4	1749.8
10°	1714.3	1717.6	1724.4	1741.3	1746.4
12.5°	1694.0	1700.7	1712.6	1732.9	1739.6
15°	1668.6	1677.0	1695.6	1717.6	1726.1
17.5°	1639.8	1651.6	1675.3	1700.7	1709.2
20°	1606.0	1621.2	1648.3	1677.0	1687.2
22.5°	1568.7	1587.3	1617.8	1648.3	1660.1
25°	1528.1	1548.4	1582.3	1614.4	1628.0
27.5°	1485.8	1506.1	1543.3	1575.5	1589.0
30°	1435.0	1458.7	1497.6	1531.5	1543.3
32.5°	1386.0	1409.7	1450.3	1480.7	1492.6
35°	1330.1	1352.1	1396.1	1428.3	1440.1
37.5°	1270.9	1296.3	1338.6	1367.3	1377.5
40°	1213.4	1235.3	1276.0	1304.7	1314.9
42.5°	1149.0	1172.7	1213.4	1238.7	1247.2
45°	1084.7	1108.4	1144.0	1171.0	1177.8
47.5°	1018.7	1040.7	1076.3	1098.3	1105.0
50°	947.7	968.0	1001.8	1023.8	1032.3
52.5°	880.0	898.6	927.4	946.0	951.0
55°	808.9	825.8	849.5	869.8	876.6
57.5°	732.7	751.4	773.4	790.3	795.4
60°	660.0	675.2	693.8	709.1	710.7
62.5°	588.9	595.7	612.6	626.1	627.8
65°	509.4	519.5	536.4	541.5	550.0
67.5°	436.6	443.4	456.9	463.7	470.4
70°	362.1	367.2	380.8	389.2	390.9
72.5°	297.8	299.5	309.7	316.5	318.1
75°	231.8	235.2	243.7	248.8	252.1
77.5°	176.0	179.4	186.1	189.5	189.5
80°	123.5	128.6	135.4	137.1	138.8
82.5°	79.5	86.3	91.4	93.1	89.7
85°	42.3	50.8	50.8	47.4	49.1
87.5°	15.2	18.6	20.3	22.0	22.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)