

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: P258380

Luminaire Tested: **D3X-WD-45L935-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258380
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-45L935-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (252) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3574.8 lumens
Efficiency: N/A
Efficacy: 105.1 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

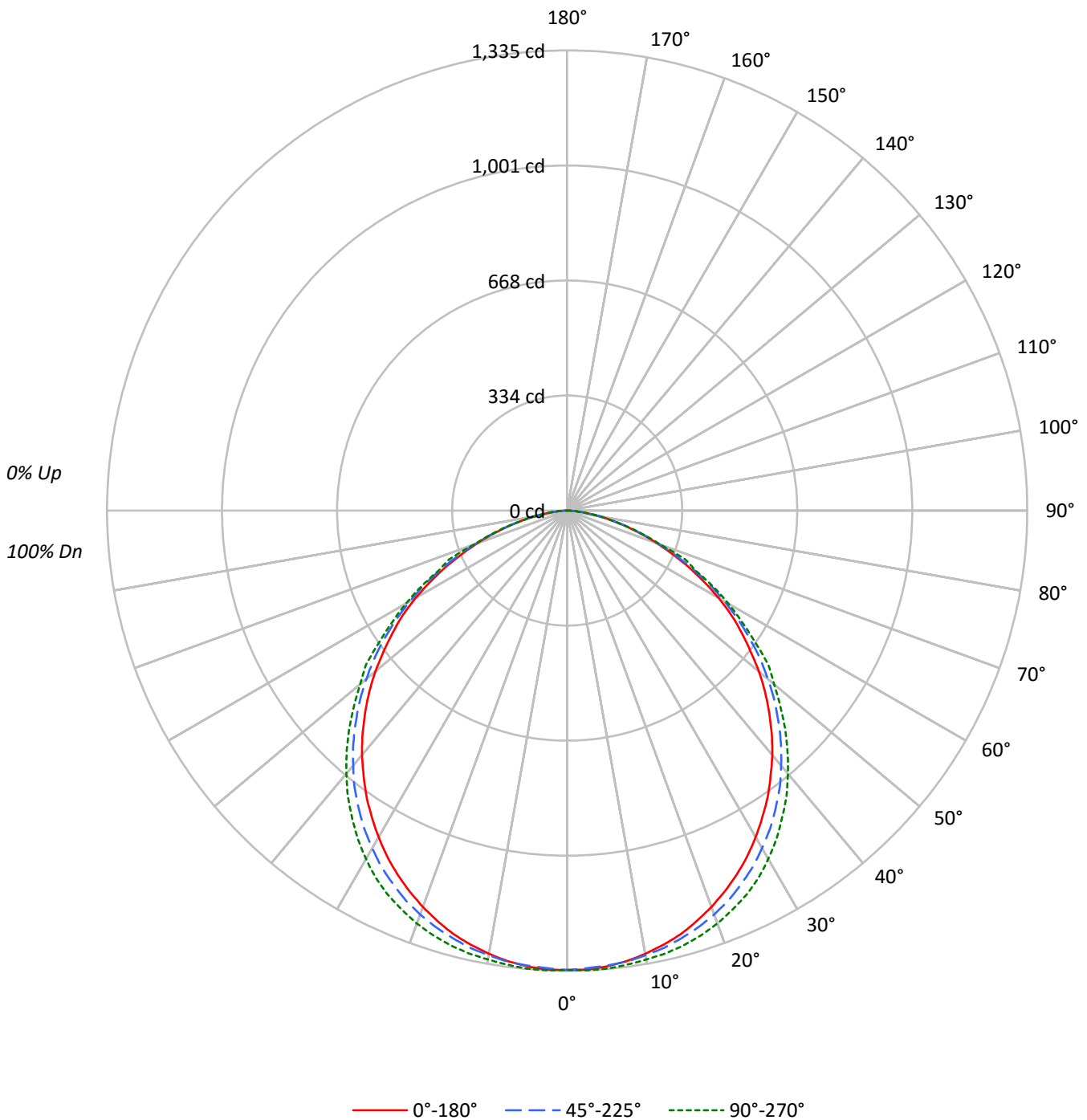
Input Watts (W): 34
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1793	1793	1793
5°	1793	1790	1802
10°	1784	1789	1807
15°	1772	1788	1819
20°	1752	1785	1825
25°	1729	1775	1826
30°	1700	1758	1813
35°	1667	1732	1787
40°	1627	1696	1750
45°	1577	1650	1701
50°	1520	1592	1640
55°	1450	1516	1562
60°	1367	1419	1453
65°	1241	1282	1307
70°	1090	1115	1130
75°	920	934	940
80°	735	745	725
85°	496	514	496



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.3	3.5
10°-20°	363.2	10.2
20°-30°	551.1	15.4
30°-40°	657.9	18.4
40°-50°	666.1	18.6
50°-60°	575.7	16.1
60°-70°	399.0	11.2
70°-80°	193.1	5.4
80°-90°	42.4	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°	1040.5	29.1
0°-40°	1698.4	47.5
0°-60°	2940.2	82.2
0°-90°	3574.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3574.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1333	1333	1333	1333	1333	
5°	1328	1326	1325	1331	1334	126
15°	1272	1275	1284	1299	1306	359
25°	1165	1172	1195	1220	1230	536
35°	1015	1024	1054	1081	1088	634
45°	829	840	867	889	894	639
55°	618	625	646	673	666	553
65°	390	394	403	409	410	386
75°	177	178	180	178	181	190
85°	32	35	33	32	32	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1332.7	1332.7	1332.7	1332.7	1332.7
2.5°	1332.7	1331.4	1328.8	1332.7	1335.2
5°	1327.5	1326.2	1325.0	1331.4	1333.9
7.5°	1318.5	1318.5	1319.8	1326.2	1328.8
10°	1305.7	1307.0	1309.6	1319.8	1322.4
12.5°	1290.3	1292.9	1299.3	1310.9	1316.0
15°	1272.4	1274.9	1283.9	1299.3	1305.7
17.5°	1249.3	1254.4	1267.2	1285.2	1291.6
20°	1223.6	1230.0	1246.7	1267.2	1274.9
22.5°	1195.4	1201.8	1223.6	1245.4	1253.1
25°	1164.6	1172.3	1195.4	1219.8	1230.0
27.5°	1131.3	1140.3	1165.9	1191.6	1201.8
30°	1094.1	1104.3	1131.3	1158.2	1167.2
32.5°	1054.3	1064.6	1095.4	1121.0	1130.0
35°	1014.6	1023.5	1054.3	1081.3	1087.7
37.5°	969.7	979.9	1013.3	1036.4	1045.3
40°	926.1	936.3	965.8	988.9	996.6
42.5°	878.6	888.9	918.4	940.2	946.6
45°	828.6	840.1	867.1	888.9	894.0
47.5°	778.6	787.5	815.8	835.0	838.8
50°	726.0	734.9	760.6	779.8	783.7
52.5°	670.8	684.9	705.4	719.6	736.2
55°	618.2	624.6	646.4	673.4	665.7
57.5°	565.6	569.5	587.4	599.0	601.6
60°	507.9	513.1	527.2	533.6	540.0
62.5°	447.6	451.5	468.2	474.6	477.1
65°	389.9	393.8	402.7	409.2	410.4
67.5°	330.9	334.8	342.5	347.6	370.7
70°	277.0	279.6	283.5	293.7	287.3
72.5°	225.7	227.0	230.9	230.9	232.2
75°	177.0	178.3	179.6	178.3	180.9
77.5°	132.1	134.7	136.0	134.7	133.4
80°	94.9	97.5	96.2	93.6	93.6
82.5°	61.6	62.8	61.6	60.3	60.3
85°	32.1	34.6	33.3	32.1	32.1
87.5°	11.5	12.8	14.1	15.4	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)