

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: P257333

Luminaire Tested: **D3X-WD-40L935-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257333
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-40L935-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (112) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3445.5 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

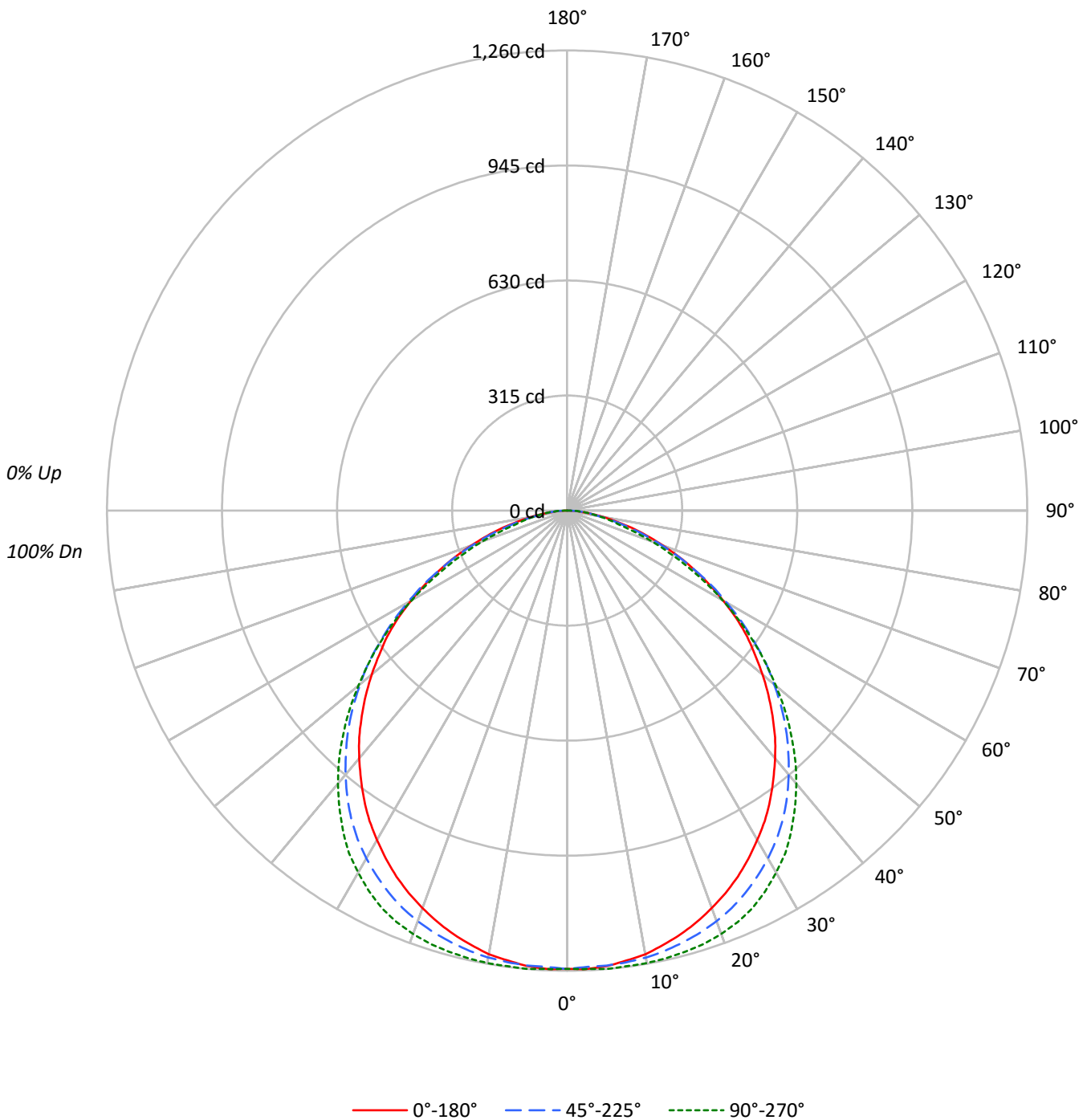
Input Watts (W): 41.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	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	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3377	3377	3377
5°	3382	3378	3403
10°	3371	3396	3438
15°	3346	3411	3483
20°	3316	3426	3532
25°	3283	3429	3567
30°	3235	3417	3556
35°	3183	3385	3516
40°	3112	3317	3431
45°	3026	3225	3301
50°	2923	3097	3123
55°	2822	2929	2915
60°	2657	2715	2649
65°	2448	2458	2321
70°	2190	2142	1948
75°	1903	1775	1503
80°	1525	1382	1382
85°	1093	1281	1331



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.4	3.5
10°-20°	346.4	10.1
20°-30°	531.9	15.4
30°-40°	640.6	18.6
40°-50°	647.4	18.8
50°-60°	552.2	16.0
60°-70°	378.0	11.0
70°-80°	182.4	5.3
80°-90°	47.0	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°	997.7	29.0
0°-40°	1638.4	47.6
0°-60°	2838.0	82.4
0°-90°	3445.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3445.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1255	1255	1255	1255	1255	
5°	1252	1252	1250	1258	1260	119
15°	1201	1210	1224	1246	1250	339
25°	1106	1123	1155	1189	1201	509
35°	969	990	1030	1063	1070	605
45°	795	817	847	867	867	613
55°	601	612	624	628	621	536
65°	384	389	386	372	364	381
75°	183	183	171	151	145	194
85°	35	38	42	43	43	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1255.0	1255.0	1255.0	1255.0	1255.0
2.5°	1256.5	1255.0	1250.4	1256.5	1256.5
5°	1251.9	1251.9	1250.4	1258.1	1259.6
7.5°	1242.7	1245.8	1247.3	1256.5	1258.1
10°	1233.5	1236.5	1242.7	1255.0	1258.1
12.5°	1218.1	1224.2	1235.0	1251.9	1255.0
15°	1201.2	1210.4	1224.2	1245.8	1250.4
17.5°	1181.2	1193.5	1211.9	1236.5	1244.2
20°	1158.1	1171.9	1196.5	1224.2	1233.5
22.5°	1133.5	1148.9	1178.1	1210.4	1219.6
25°	1105.8	1122.7	1155.0	1188.9	1201.2
27.5°	1075.0	1093.5	1128.9	1164.3	1175.0
30°	1041.2	1061.2	1099.7	1135.0	1144.3
32.5°	1007.4	1027.4	1067.4	1101.2	1112.0
35°	968.9	990.5	1030.4	1062.7	1070.4
37.5°	927.4	948.9	988.9	1021.2	1024.3
40°	885.9	907.4	944.3	973.5	976.6
42.5°	842.8	862.8	896.6	921.3	924.3
45°	795.1	816.7	847.4	867.4	867.4
47.5°	747.5	769.0	795.1	809.0	809.0
50°	698.2	718.2	739.8	747.5	745.9
52.5°	649.0	667.5	685.9	687.5	684.4
55°	601.4	612.1	624.4	627.5	621.3
57.5°	549.1	558.3	566.0	561.4	556.7
60°	493.7	502.9	504.5	496.8	492.2
62.5°	439.9	447.6	447.6	435.2	427.6
65°	384.5	389.1	386.0	372.2	364.5
67.5°	332.2	335.3	329.1	315.3	303.0
70°	278.4	279.9	272.2	255.3	247.6
72.5°	229.2	230.7	221.5	201.5	192.2
75°	183.0	183.0	170.7	150.7	144.6
77.5°	136.9	141.5	127.7	116.9	116.9
80°	98.4	103.0	89.2	90.7	89.2
82.5°	64.6	69.2	64.6	64.6	64.6
85°	35.4	38.4	41.5	43.1	43.1
87.5°	10.8	18.5	20.0	21.5	24.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)