

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: P257298

Luminaire Tested: **D3X-WD-40L935-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
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-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH ROUND PERF
Light Source: (126) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3236.3 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

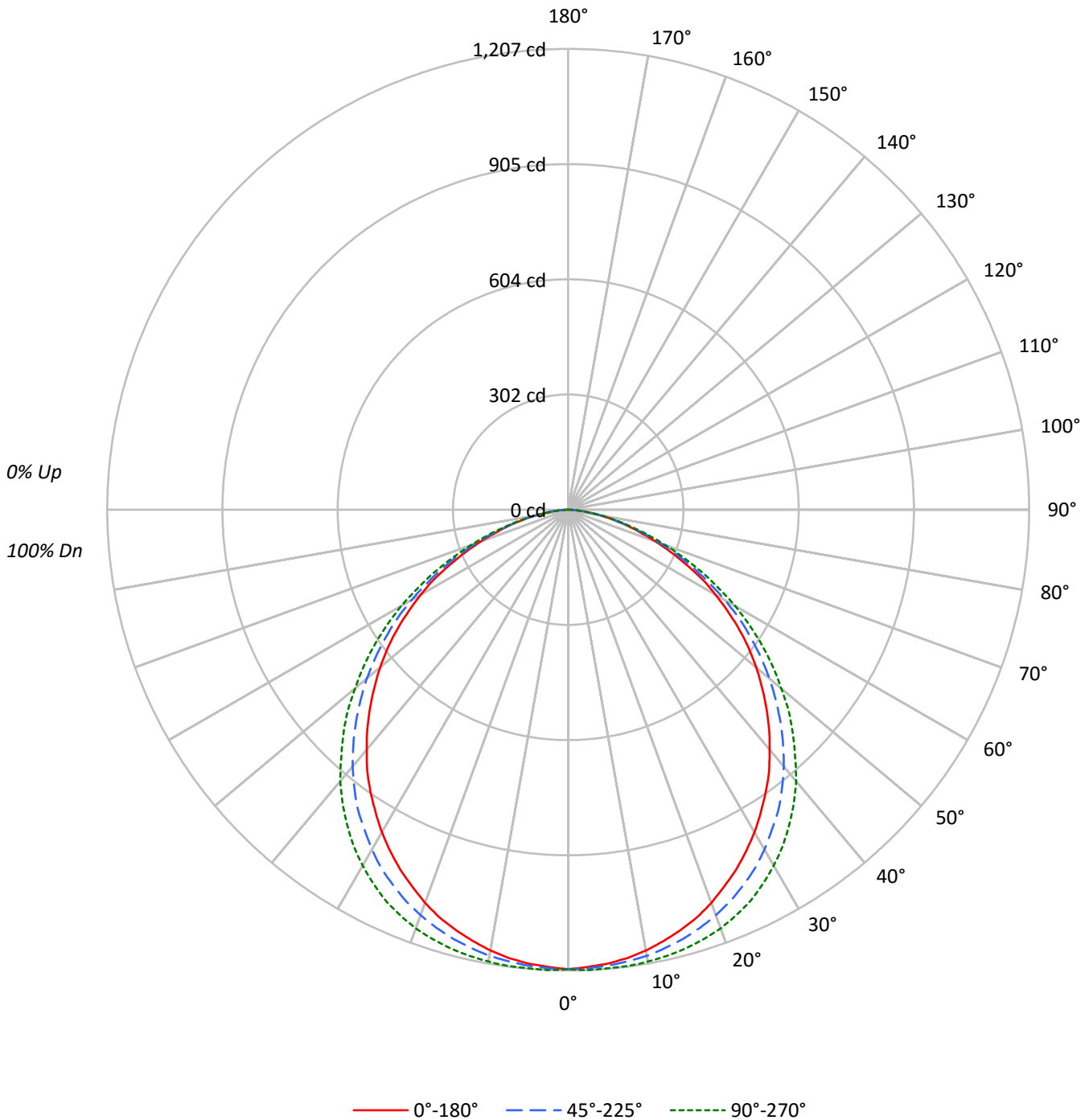
Input Watts (W): 35.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	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	77	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	31	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°	3239	3239	3239
5°	3223	3237	3256
10°	3203	3242	3284
15°	3174	3242	3315
20°	3138	3237	3342
25°	3088	3222	3357
30°	3031	3194	3345
35°	2964	3153	3313
40°	2882	3084	3262
45°	2791	2990	3169
50°	2691	2881	3048
55°	2566	2738	2909
60°	2400	2550	2719
65°	2174	2307	2451
70°	1919	2015	2124
75°	1648	1684	1757
80°	1323	1350	1376
85°	969	861	861



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.1	3.5
10°-20°	328.6	10.2
20°-30°	499.8	15.4
30°-40°	598.0	18.5
40°-50°	604.5	18.7
50°-60°	520.2	16.1
60°-70°	359.2	11.1
70°-80°	174.2	5.4
80°-90°	37.8	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°	942.4	29.1
0°-40°	1540.4	47.6
0°-60°	2665.2	82.4
0°-90°	3236.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3236.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1204	1204	1204	1204	1204	
5°	1193	1195	1198	1204	1205	113
15°	1139	1146	1164	1181	1190	321
25°	1040	1052	1085	1118	1130	479
35°	902	918	960	995	1009	564
45°	733	747	786	819	833	566
55°	547	556	584	610	620	488
65°	341	347	362	378	385	340
75°	158	155	162	167	169	168
85°	31	31	28	28	28	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1203.7	1203.7	1203.7	1203.7	1203.7
2.5°	1198.5	1198.5	1202.0	1205.4	1207.2
5°	1193.2	1195.0	1198.5	1203.7	1205.4
7.5°	1184.5	1186.3	1193.2	1202.0	1205.4
10°	1172.3	1175.8	1186.3	1196.7	1202.0
12.5°	1156.7	1163.6	1175.8	1189.8	1196.7
15°	1139.2	1146.2	1163.6	1181.1	1189.8
17.5°	1120.1	1127.1	1148.0	1170.6	1179.3
20°	1095.7	1106.1	1130.5	1156.7	1167.1
22.5°	1067.8	1081.8	1109.6	1137.5	1149.7
25°	1040.0	1052.1	1085.2	1118.3	1130.5
27.5°	1008.6	1022.5	1059.1	1092.2	1104.4
30°	975.5	989.4	1027.8	1064.3	1076.5
32.5°	938.9	956.3	992.9	1031.2	1045.2
35°	902.3	918.0	959.8	994.7	1008.6
37.5°	864.0	878.0	919.8	956.3	970.3
40°	820.5	836.1	878.0	914.5	928.5
42.5°	778.7	794.3	832.7	867.5	879.7
45°	733.4	747.3	785.6	818.7	832.7
47.5°	688.1	703.8	736.9	769.9	783.9
50°	642.8	655.0	688.1	719.4	728.1
52.5°	595.8	606.2	635.8	663.7	675.9
55°	547.0	555.7	583.6	609.7	620.1
57.5°	494.7	505.2	531.3	550.5	562.7
60°	445.9	451.2	473.8	493.0	505.2
62.5°	397.2	398.9	416.3	435.5	442.5
65°	341.4	346.7	362.3	378.0	385.0
67.5°	290.9	296.1	308.3	320.5	325.7
70°	243.9	243.9	256.1	264.8	270.0
72.5°	196.8	198.6	207.3	212.5	217.7
75°	158.5	155.0	162.0	167.2	169.0
77.5°	118.5	116.7	121.9	123.7	127.2
80°	85.4	85.4	87.1	88.8	88.8
82.5°	55.7	55.7	57.5	54.0	52.3
85°	31.4	31.4	27.9	27.9	27.9
87.5°	10.5	10.5	10.5	12.2	10.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)