

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: P257526

Luminaire Tested: **D3X-WO-25L935-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257526
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-25L935-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE
Light Source: (126) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2199.3 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

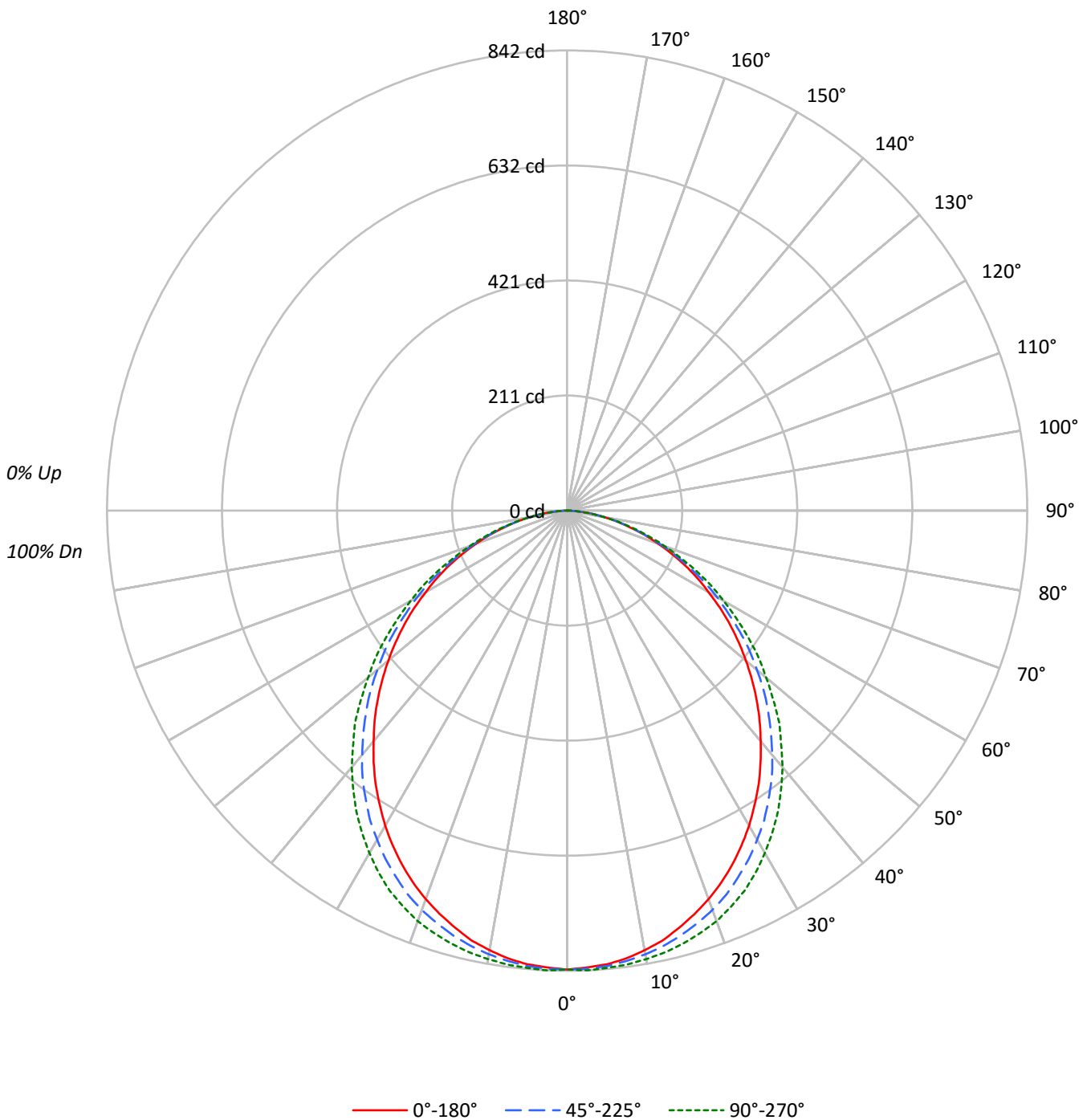
Input Watts (W): 20.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	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	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2260	2260	2260
5°	2251	2260	2269
10°	2232	2253	2277
15°	2203	2242	2285
20°	2167	2227	2289
25°	2123	2198	2279
30°	2069	2160	2249
35°	2007	2112	2209
40°	1935	2050	2154
45°	1867	1979	2088
50°	1788	1898	1989
55°	1705	1808	1896
60°	1609	1703	1780
65°	1520	1576	1652
70°	1396	1439	1490
75°	1241	1275	1309
80°	1069	1052	1052
85°	812	744	676



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	3.6
10°-20°	227.1	10.3
20°-30°	341.0	15.5
30°-40°	401.3	18.2
40°-50°	400.3	18.2
50°-60°	343.5	15.6
60°-70°	246.0	11.2
70°-80°	130.3	5.9
80°-90°	30.5	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°	647.5	29.4
0°-40°	1048.8	47.7
0°-60°	1792.5	81.5
0°-90°	2199.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2199.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	840	840	840	840	840	
5°	833	833	837	839	840	79
15°	791	794	805	816	820	223
25°	715	722	740	759	768	329
35°	611	619	643	665	672	382
45°	491	498	520	539	549	378
55°	364	369	385	399	404	325
65°	239	240	248	257	260	236
75°	119	119	123	125	126	128
85°	26	25	24	22	22	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	839.9	839.9	839.9	839.9	839.9
2.5°	836.6	836.6	838.8	841.0	842.1
5°	833.3	833.3	836.6	838.8	839.9
7.5°	826.7	826.7	831.1	835.5	837.7
10°	816.9	819.1	824.5	831.1	833.3
12.5°	805.9	808.1	815.8	824.5	827.8
15°	790.6	793.9	804.8	815.8	820.2
17.5°	774.2	778.6	791.7	804.8	810.3
20°	756.7	761.0	777.5	792.8	799.4
22.5°	736.9	742.4	761.0	777.5	784.0
25°	715.0	721.6	740.2	758.8	767.6
27.5°	691.0	698.6	719.4	739.1	746.8
30°	665.8	674.5	695.3	716.1	723.8
32.5°	638.4	646.1	671.2	691.0	698.6
35°	611.0	618.7	642.8	664.7	672.3
37.5°	581.5	591.3	615.4	635.1	642.8
40°	550.8	560.6	583.6	606.6	613.2
42.5°	521.2	530.0	551.9	572.7	579.3
45°	490.6	498.2	520.1	538.7	548.6
47.5°	458.8	466.5	488.4	505.9	511.4
50°	427.1	434.7	453.3	468.7	475.2
52.5°	395.3	403.0	420.5	434.7	441.3
55°	363.5	369.0	385.4	398.6	404.1
57.5°	331.8	336.2	349.3	363.5	366.8
60°	298.9	304.4	316.5	326.3	330.7
62.5°	269.4	271.6	282.5	291.3	296.7
65°	238.7	239.8	247.5	257.3	259.5
67.5°	207.0	208.1	215.7	221.2	223.4
70°	177.4	177.4	182.9	187.2	189.4
72.5°	148.9	147.8	151.1	155.5	157.7
75°	119.4	119.4	122.6	124.8	125.9
77.5°	94.2	92.0	94.2	96.4	96.4
80°	69.0	67.9	67.9	69.0	67.9
82.5°	47.1	46.0	47.1	44.9	43.8
85°	26.3	25.2	24.1	21.9	21.9
87.5°	8.8	7.7	7.7	8.8	8.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)