

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: P257397

Luminaire Tested: **D3X-WG-20L935-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257397
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-20L935-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (126) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1662.7 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

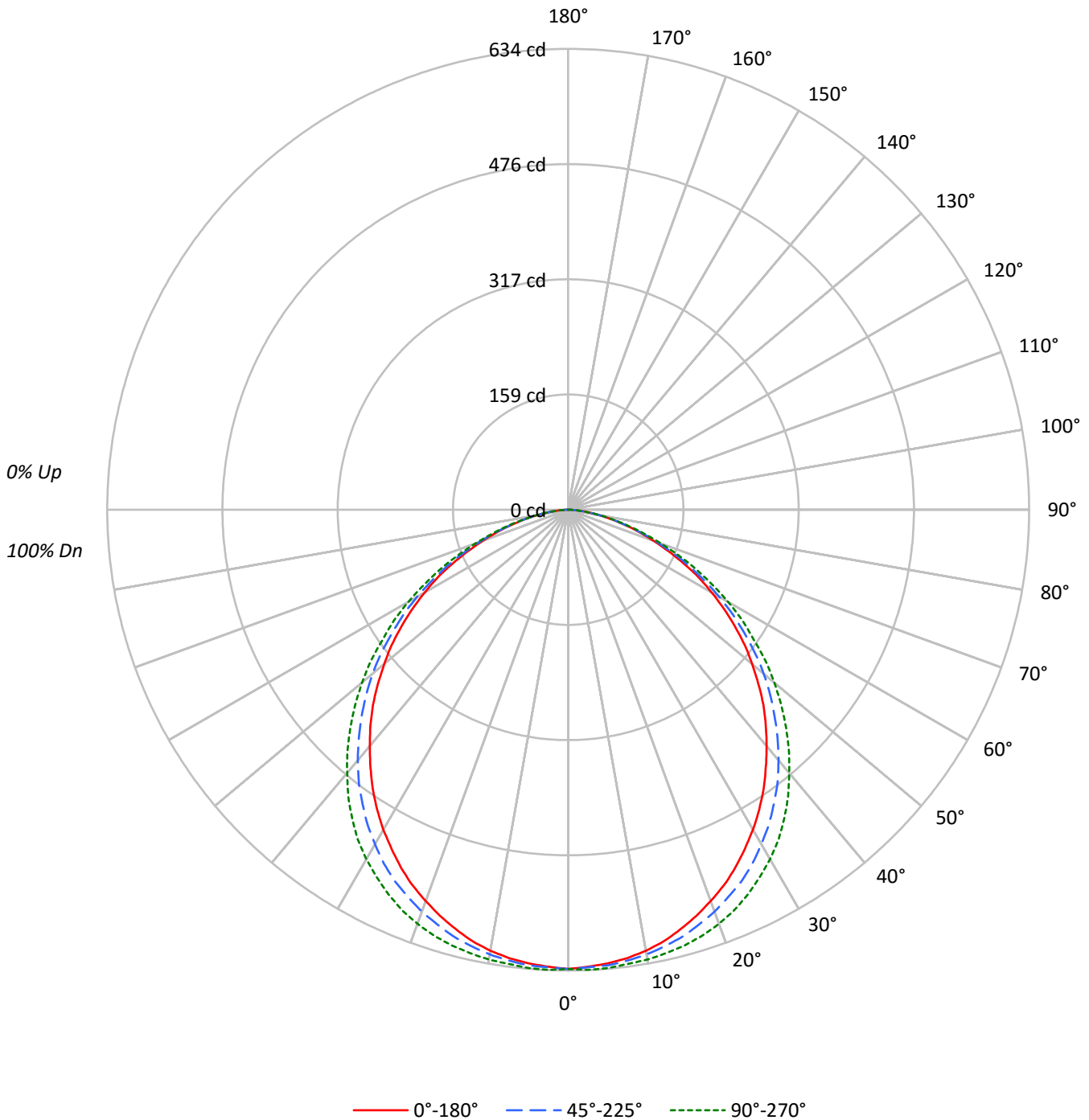
Input Watts (W): 16.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1700	1700	1700
5°	1693	1700	1709
10°	1683	1698	1717
15°	1665	1694	1728
20°	1640	1686	1736
25°	1614	1674	1735
30°	1579	1651	1725
35°	1539	1621	1702
40°	1491	1581	1662
45°	1444	1528	1612
50°	1382	1470	1548
55°	1313	1387	1461
60°	1225	1292	1368
65°	1118	1169	1237
70°	979	1020	1062
75°	835	854	890
80°	669	683	697
85°	491	463	435



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.8	3.6
10°-20°	171.7	10.3
20°-30°	259.5	15.6
30°-40°	308.2	18.5
40°-50°	309.5	18.6
50°-60°	264.3	15.9
60°-70°	182.1	11.0
70°-80°	88.3	5.3
80°-90°	19.3	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°	491.0	29.5
0°-40°	799.2	48.1
0°-60°	1373.0	82.6
0°-90°	1662.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1662.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	632	632	632	632	632	
5°	627	627	629	631	633	59
15°	598	600	608	616	620	168
25°	544	548	564	579	584	250
35°	469	476	493	512	518	293
45°	380	385	402	418	424	292
55°	280	284	296	308	312	250
65°	176	176	184	192	194	174
75°	80	78	82	84	86	86
85°	16	16	15	14	14	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	631.9	631.9	631.9	631.9	631.9
2.5°	629.2	629.2	630.1	632.8	633.6
5°	626.6	626.6	629.2	631.0	632.8
7.5°	622.2	623.1	625.7	629.2	630.1
10°	616.0	616.9	621.3	625.7	628.4
12.5°	608.1	609.8	615.1	622.2	624.8
15°	597.5	600.1	608.1	616.0	620.4
17.5°	586.0	589.5	598.3	609.8	614.2
20°	572.8	577.2	588.6	601.0	606.3
22.5°	559.5	563.0	576.3	590.4	596.6
25°	543.6	548.0	563.9	578.9	584.2
27.5°	526.0	532.2	548.9	564.8	570.1
30°	508.3	513.6	531.3	548.9	555.1
32.5°	488.9	494.2	513.6	531.3	538.3
35°	468.6	475.7	493.3	511.9	518.0
37.5°	446.6	454.5	473.0	488.9	496.9
40°	424.5	431.6	450.1	466.9	473.0
42.5°	402.4	408.6	426.3	443.9	449.2
45°	379.5	384.8	401.5	418.3	423.6
47.5°	354.8	360.9	376.8	391.0	397.1
50°	330.1	336.2	351.2	364.5	369.8
52.5°	306.2	309.8	323.9	336.2	342.4
55°	279.8	284.2	295.6	308.0	311.5
57.5°	254.2	256.8	268.3	278.9	284.2
60°	227.7	229.5	240.0	248.0	254.2
62.5°	203.0	203.0	210.9	219.7	223.3
65°	175.6	175.6	183.6	191.5	194.2
67.5°	149.1	150.9	156.2	162.4	164.1
70°	124.4	124.4	129.7	134.1	135.0
72.5°	102.4	101.5	104.1	107.7	109.4
75°	80.3	78.5	82.1	83.8	85.6
77.5°	60.9	60.0	61.8	63.5	63.5
80°	43.2	42.4	44.1	44.1	45.0
82.5°	28.2	29.1	29.1	28.2	27.4
85°	15.9	15.9	15.0	14.1	14.1
87.5°	5.3	5.3	5.3	6.2	6.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)