

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: P257444

Luminaire Tested: **D3X-WG-31L935-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257444
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-31L935-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (112) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2670.8 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

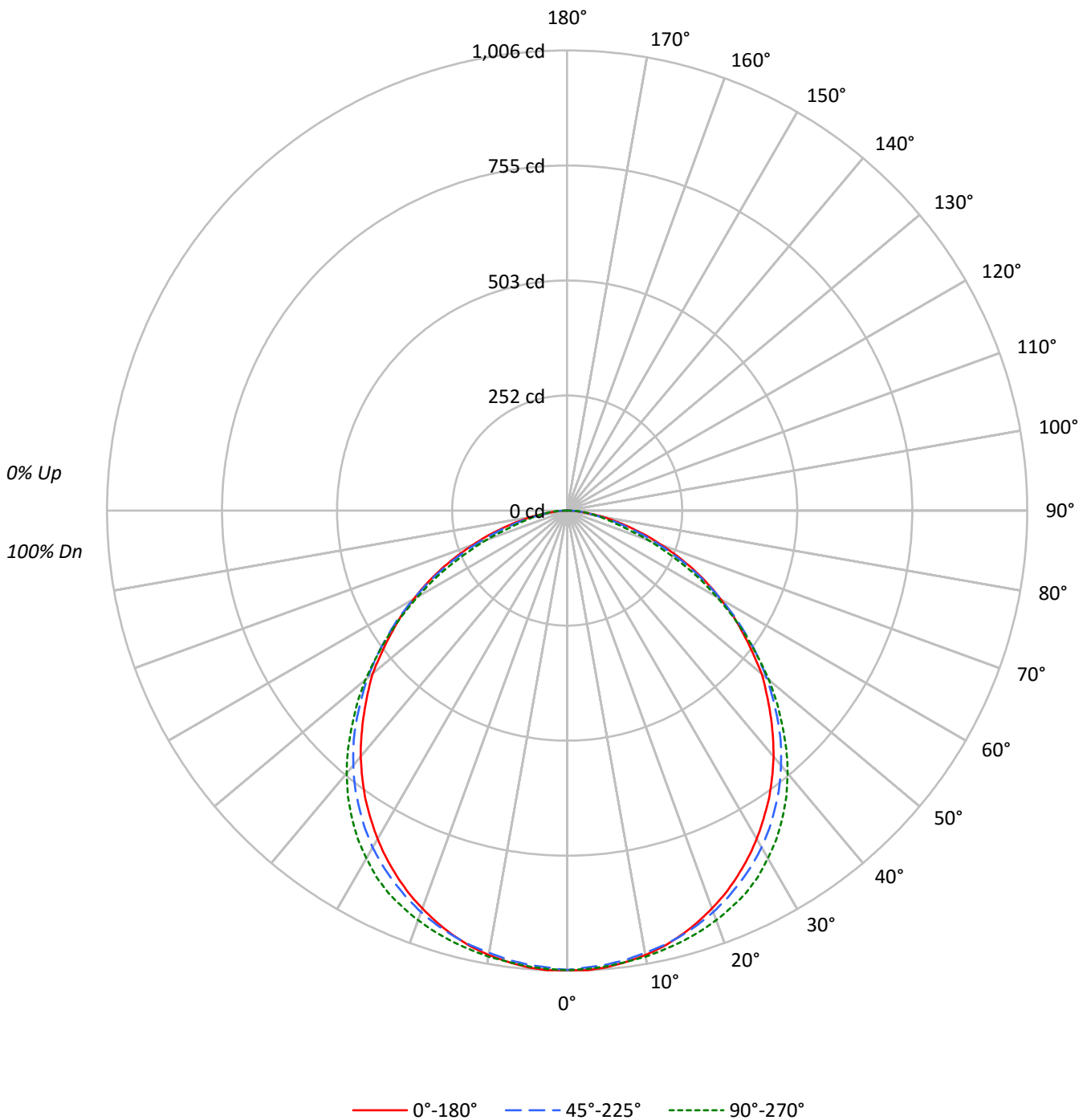
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	82	77	83	79	75	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	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	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°	2703	2703	2703
5°	2707	2691	2700
10°	2696	2682	2705
15°	2678	2682	2715
20°	2651	2675	2729
25°	2617	2660	2741
30°	2576	2642	2728
35°	2527	2605	2695
40°	2467	2555	2635
45°	2391	2482	2531
50°	2325	2385	2410
55°	2208	2252	2241
60°	2089	2089	2031
65°	1940	1894	1787
70°	1720	1644	1485
75°	1490	1354	1143
80°	1221	1055	1037
85°	812	960	1031



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.0	3.6
10°-20°	272.6	10.2
20°-30°	414.3	15.5
30°-40°	496.1	18.6
40°-50°	500.4	18.7
50°-60°	426.2	16.0
60°-70°	291.4	10.9
70°-80°	139.6	5.2
80°-90°	35.3	1.3
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°	781.9	29.3
0°-40°	1277.9	47.8
0°-60°	2204.5	82.5
0°-90°	2670.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2670.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1004	1004	1004	1004	1004	
5°	1002	1001	996	1001	1000	95
15°	961	959	963	973	975	271
25°	881	883	896	916	923	406
35°	769	772	793	816	820	481
45°	628	633	652	665	665	485
55°	471	473	480	481	478	421
65°	305	299	297	287	281	300
75°	143	141	130	114	110	153
85°	26	29	31	32	33	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1004.4	1004.4	1004.4	1004.4	1004.4
2.5°	1005.6	1004.4	999.7	1004.4	1003.2
5°	1002.1	1000.9	996.1	1000.9	999.7
7.5°	994.9	993.7	990.1	994.9	994.9
10°	986.5	984.1	981.7	988.9	990.1
12.5°	975.8	973.4	973.4	981.7	982.9
15°	961.4	959.1	962.6	973.4	974.6
17.5°	944.7	943.5	949.5	962.6	965.0
20°	925.6	924.4	934.0	949.5	953.1
22.5°	905.3	905.3	916.1	934.0	938.8
25°	881.4	882.6	895.8	916.1	923.2
27.5°	856.3	858.7	874.3	896.9	902.9
30°	828.9	832.5	850.4	871.9	877.8
32.5°	799.0	802.6	822.9	845.6	851.6
35°	769.2	771.5	793.0	815.7	820.5
37.5°	735.7	739.3	762.0	782.3	787.1
40°	702.3	705.9	727.4	746.5	750.0
42.5°	665.2	670.0	691.5	707.0	709.4
45°	628.2	633.0	652.1	665.2	665.2
47.5°	591.2	593.6	610.3	623.4	622.3
50°	555.4	554.2	569.7	575.7	575.7
52.5°	511.2	514.8	525.5	529.1	525.5
55°	470.6	473.0	480.1	481.3	477.7
57.5°	431.2	430.0	435.9	432.4	427.6
60°	388.2	388.2	388.2	384.6	377.4
62.5°	346.4	344.0	342.8	334.4	330.8
65°	304.6	298.6	297.4	286.6	280.7
67.5°	260.4	258.0	252.0	241.3	230.5
70°	218.6	216.2	209.0	195.9	188.7
72.5°	180.3	178.0	168.4	152.9	143.3
75°	143.3	140.9	130.2	113.5	109.9
77.5°	108.7	107.5	96.7	88.4	87.2
80°	78.8	77.6	68.1	68.1	66.9
82.5°	50.2	50.2	47.8	49.0	50.2
85°	26.3	28.7	31.1	32.2	33.4
87.5°	8.4	13.1	15.5	16.7	15.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)