

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: P257409

Luminaire Tested: **D3X-WG-31L935-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257409
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-31L935-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: 2560.5 lumens
Efficiency: N/A
Efficacy: 96.3 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

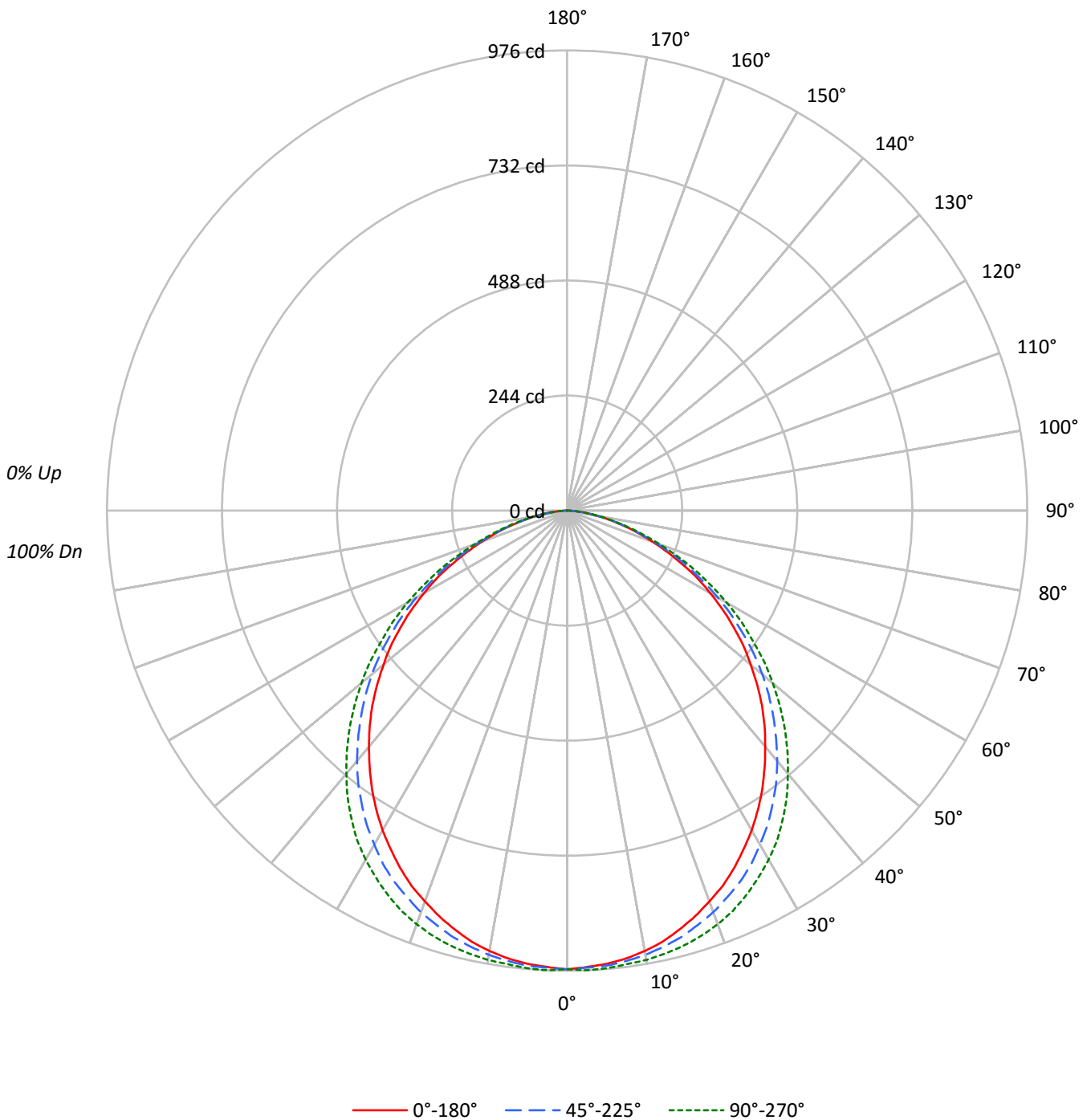
Input Watts (W): 26.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2618	2618	2618
5°	2606	2618	2632
10°	2592	2614	2644
15°	2563	2609	2662
20°	2526	2596	2674
25°	2485	2578	2671
30°	2432	2542	2656
35°	2371	2496	2621
40°	2296	2435	2559
45°	2224	2353	2482
50°	2128	2264	2384
55°	2021	2136	2251
60°	1887	1989	2106
65°	1722	1800	1904
70°	1507	1572	1636
75°	1286	1314	1370
80°	1032	1052	1074
85°	756	713	670



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.1	3.6
10°-20°	264.3	10.3
20°-30°	399.6	15.6
30°-40°	474.7	18.5
40°-50°	476.5	18.6
50°-60°	407.0	15.9
60°-70°	280.4	11.0
70°-80°	136.0	5.3
80°-90°	29.7	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°	756.1	29.5
0°-40°	1230.7	48.1
0°-60°	2114.3	82.6
0°-90°	2560.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2560.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	973	973	973	973	973	
5°	965	965	969	972	974	92
15°	920	924	936	949	955	259
25°	837	844	868	892	900	385
35°	722	732	760	788	798	451
45°	584	592	618	644	652	450
55°	431	438	455	474	480	385
65°	270	270	283	295	299	268
75°	124	121	126	129	132	133
85°	24	24	23	22	22	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	973.0	973.0	973.0	973.0	973.0
2.5°	969.0	969.0	970.3	974.4	975.8
5°	964.9	964.9	969.0	971.7	974.4
7.5°	958.1	959.5	963.5	969.0	970.3
10°	948.6	949.9	956.7	963.5	967.6
12.5°	936.4	939.1	947.2	958.1	962.2
15°	920.0	924.1	936.4	948.6	955.4
17.5°	902.4	907.8	921.4	939.1	945.9
20°	882.0	888.8	906.5	925.5	933.6
22.5°	861.6	867.0	887.4	909.2	918.7
25°	837.1	843.9	868.4	891.5	899.7
27.5°	810.0	819.5	845.3	869.8	877.9
30°	782.8	790.9	818.1	845.3	854.8
32.5°	752.9	761.0	790.9	818.1	829.0
35°	721.6	732.5	759.7	788.2	797.7
37.5°	687.7	699.9	728.4	752.9	765.1
40°	653.7	664.6	693.1	718.9	728.4
42.5°	619.7	629.2	656.4	683.6	691.7
45°	584.4	592.5	618.3	644.2	652.3
47.5°	546.3	555.8	580.3	602.0	611.5
50°	508.3	517.8	540.9	561.3	569.4
52.5°	471.6	477.0	498.8	517.8	527.3
55°	430.8	437.6	455.3	474.3	479.7
57.5°	391.4	395.5	413.1	429.4	437.6
60°	350.6	353.3	369.6	381.9	391.4
62.5°	312.6	312.6	324.8	338.4	343.8
65°	270.4	270.4	282.7	294.9	299.0
67.5°	229.7	232.4	240.5	250.1	252.8
70°	191.6	191.6	199.8	206.6	207.9
72.5°	157.6	156.3	160.4	165.8	168.5
75°	123.7	121.0	126.4	129.1	131.8
77.5°	93.8	92.4	95.1	97.8	97.8
80°	66.6	65.2	67.9	67.9	69.3
82.5°	43.5	44.8	44.8	43.5	42.1
85°	24.5	24.5	23.1	21.7	21.7
87.5°	8.2	8.2	8.2	9.5	9.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)