

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: P257321

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-31L935-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (112) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2675.6 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

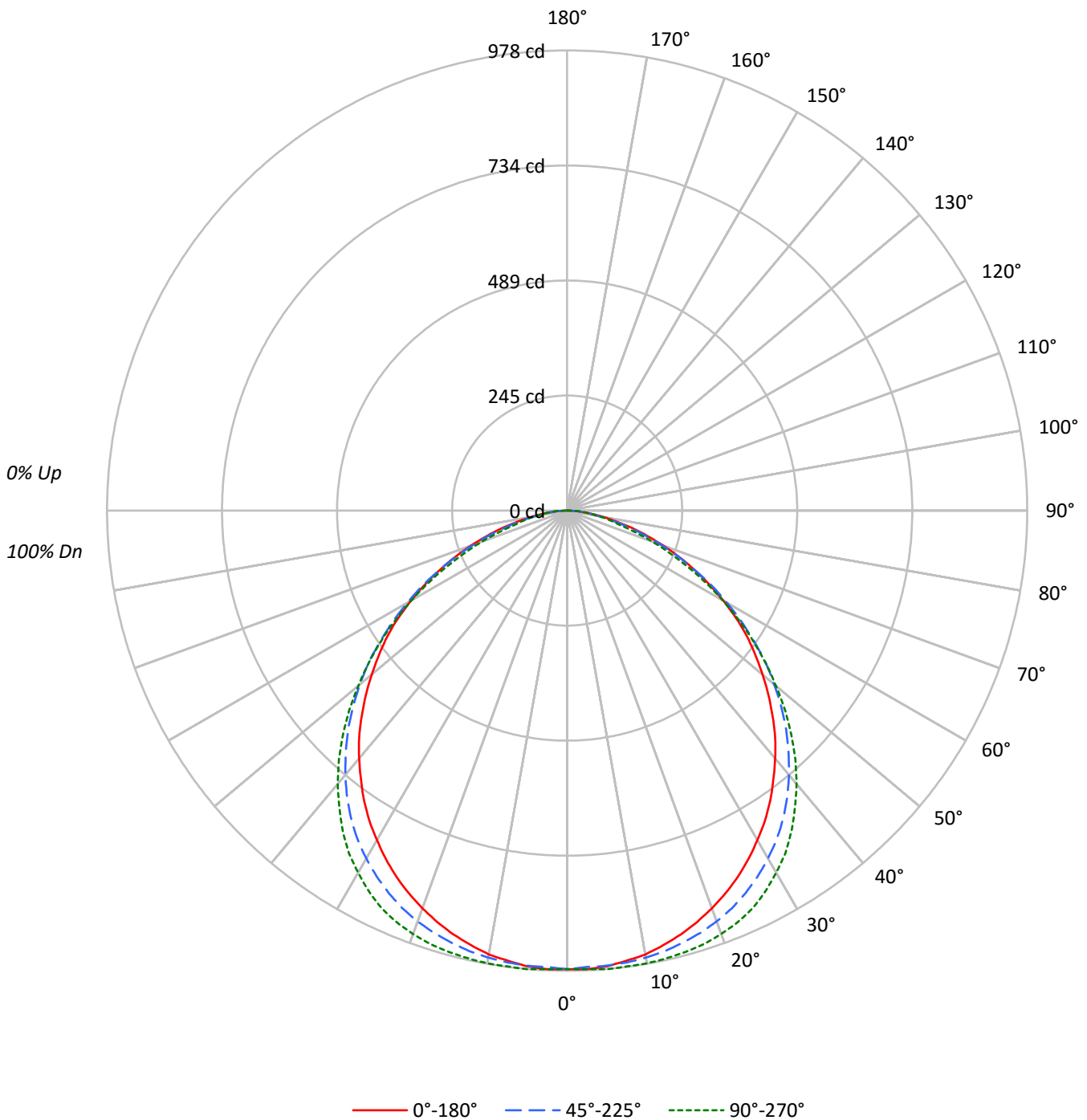
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	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	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2623	2623	2623
5°	2626	2623	2642
10°	2617	2637	2670
15°	2599	2649	2705
20°	2575	2661	2743
25°	2550	2663	2770
30°	2513	2653	2761
35°	2472	2629	2731
40°	2416	2576	2664
45°	2350	2504	2563
50°	2270	2405	2425
55°	2191	2275	2264
60°	2063	2108	2057
65°	1901	1909	1803
70°	1701	1663	1513
75°	1477	1379	1168
80°	1184	1074	1074
85°	849	994	1031



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.7	3.5
10°-20°	269.0	10.1
20°-30°	413.1	15.4
30°-40°	497.5	18.6
40°-50°	502.7	18.8
50°-60°	428.8	16.0
60°-70°	293.6	11.0
70°-80°	141.7	5.3
80°-90°	36.5	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°	774.8	29.0
0°-40°	1272.3	47.6
0°-60°	2203.9	82.4
0°-90°	2675.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2675.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	975	975	975	975	975	
5°	972	972	971	977	978	92
15°	933	940	951	967	971	263
25°	859	872	897	923	933	395
35°	752	769	800	825	831	470
45°	618	634	658	674	674	476
55°	467	475	485	487	482	416
65°	299	302	300	289	283	296
75°	142	142	133	117	112	151
85°	28	30	32	33	33	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	974.6	974.6	974.6	974.6	974.6
2.5°	975.8	974.6	971.0	975.8	975.8
5°	972.2	972.2	971.0	977.0	978.2
7.5°	965.0	967.4	968.6	975.8	977.0
10°	957.9	960.2	965.0	974.6	977.0
12.5°	945.9	950.7	959.0	972.2	974.6
15°	932.8	939.9	950.7	967.4	971.0
17.5°	917.2	926.8	941.1	960.2	966.2
20°	899.3	910.1	929.2	950.7	957.9
22.5°	880.2	892.2	914.9	939.9	947.1
25°	858.7	871.9	896.9	923.2	932.8
27.5°	834.8	849.2	876.6	904.1	912.5
30°	808.6	824.1	853.9	881.4	888.6
32.5°	782.3	797.8	828.9	855.1	863.5
35°	752.4	769.1	800.2	825.3	831.3
37.5°	720.2	736.9	768.0	793.0	795.4
40°	687.9	704.7	733.3	756.0	758.4
42.5°	654.5	670.0	696.3	715.4	717.8
45°	617.5	634.2	658.1	673.6	673.6
47.5°	580.4	597.2	617.5	628.2	628.2
50°	542.2	557.8	574.5	580.4	579.2
52.5°	504.0	518.3	532.7	533.9	531.5
55°	467.0	475.3	484.9	487.3	482.5
57.5°	426.4	433.5	439.5	435.9	432.3
60°	383.4	390.5	391.7	385.8	382.2
62.5°	341.6	347.5	347.5	338.0	332.0
65°	298.6	302.2	299.8	289.0	283.1
67.5°	258.0	260.4	255.6	244.8	235.3
70°	216.2	217.4	211.4	198.3	192.3
72.5°	178.0	179.1	172.0	156.5	149.3
75°	142.1	142.1	132.6	117.0	112.3
77.5°	106.3	109.9	99.1	90.8	90.8
80°	76.4	80.0	69.3	70.5	69.3
82.5°	50.2	53.7	50.2	50.2	50.2
85°	27.5	29.9	32.2	33.4	33.4
87.5°	8.4	14.3	15.5	16.7	19.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)