

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: P257320

Luminaire Tested: **D3X-WD-31L930-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257320
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-31L930-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (112) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2580.0 lumens
Efficiency: N/A
Efficacy: 84.3 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

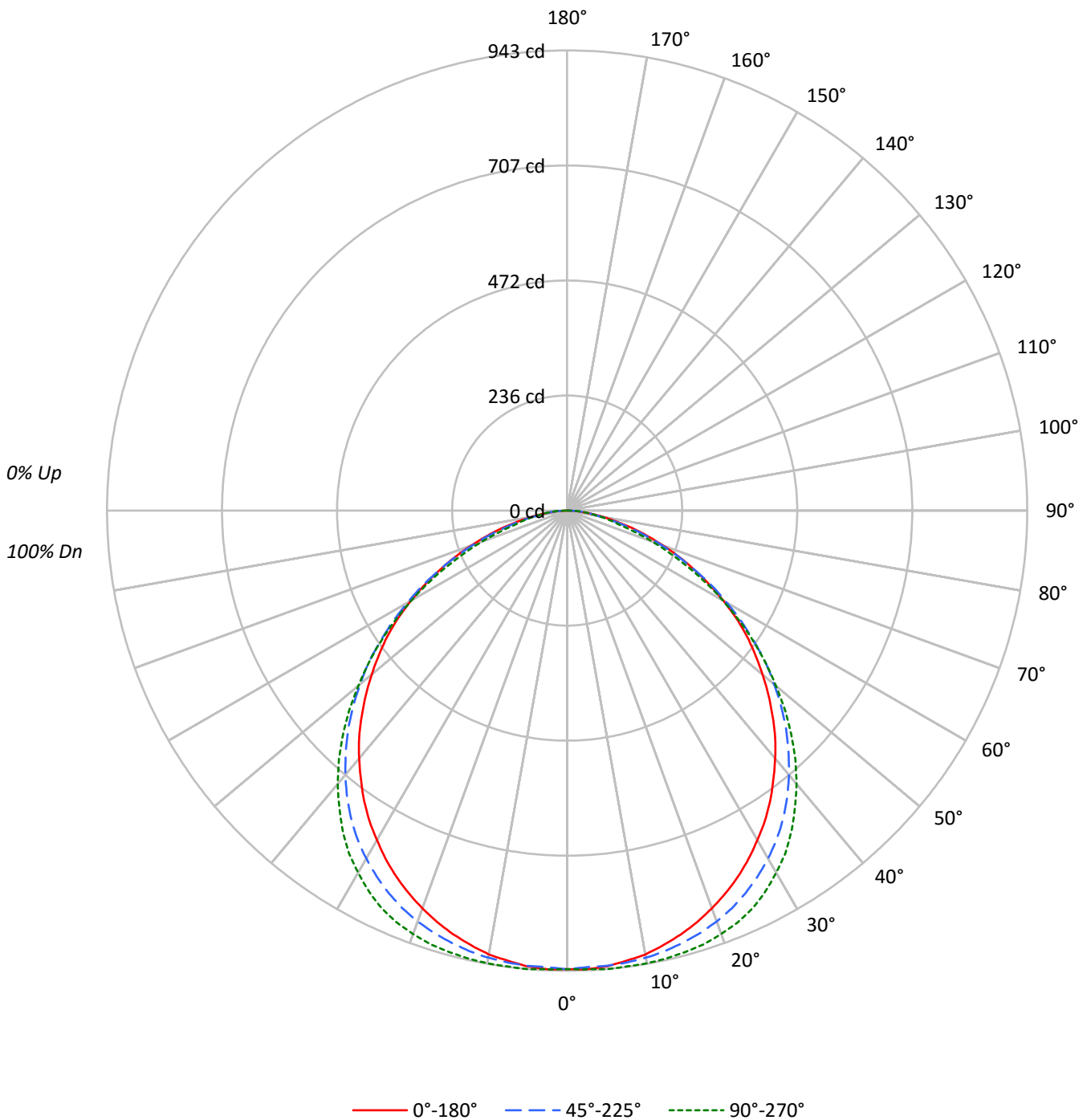
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2529	2529	2529
5°	2532	2529	2548
10°	2524	2543	2574
15°	2506	2554	2608
20°	2483	2566	2645
25°	2458	2568	2670
30°	2423	2559	2662
35°	2383	2535	2633
40°	2330	2484	2569
45°	2266	2415	2472
50°	2189	2319	2339
55°	2113	2194	2183
60°	1990	2033	1983
65°	1833	1841	1738
70°	1640	1603	1459
75°	1424	1329	1126
80°	1142	1035	1035
85°	818	960	994



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	3.5
10°-20°	259.4	10.1
20°-30°	398.3	15.4
30°-40°	479.7	18.6
40°-50°	484.8	18.8
50°-60°	413.5	16.0
60°-70°	283.1	11.0
70°-80°	136.6	5.3
80°-90°	35.2	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°	747.1	29.0
0°-40°	1226.8	47.6
0°-60°	2125.1	82.4
0°-90°	2580.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2580.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	940	940	940	940	940	
5°	937	937	936	942	943	89
15°	899	906	917	933	936	254
25°	828	841	865	890	899	381
35°	726	742	772	796	802	453
45°	595	612	635	650	650	459
55°	450	458	468	470	465	401
65°	288	291	289	279	273	286
75°	137	137	128	113	108	146
85°	26	29	31	32	32	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	939.8	939.8	939.8	939.8	939.8
2.5°	940.9	939.8	936.3	940.9	940.9
5°	937.4	937.4	936.3	942.1	943.2
7.5°	930.5	932.8	934.0	940.9	942.1
10°	923.6	925.9	930.5	939.8	942.1
12.5°	912.1	916.7	924.8	937.4	939.8
15°	899.4	906.4	916.7	932.8	936.3
17.5°	884.5	893.7	907.5	925.9	931.7
20°	867.2	877.6	896.0	916.7	923.6
22.5°	848.8	860.3	882.2	906.4	913.3
25°	828.0	840.7	864.9	890.2	899.4
27.5°	805.0	818.8	845.3	871.8	879.9
30°	779.7	794.6	823.4	849.9	856.8
32.5°	754.3	769.3	799.2	824.6	832.6
35°	725.5	741.7	771.6	795.8	801.6
37.5°	694.4	710.6	740.5	764.7	767.0
40°	663.4	679.5	707.1	729.0	731.3
42.5°	631.1	646.1	671.4	689.8	692.1
45°	595.4	611.5	634.6	649.5	649.5
47.5°	559.7	575.8	595.4	605.8	605.8
50°	522.9	537.8	553.9	559.7	558.6
52.5°	486.0	499.8	513.6	514.8	512.5
55°	450.3	458.4	467.6	469.9	465.3
57.5°	411.1	418.1	423.8	420.4	416.9
60°	369.7	376.6	377.7	372.0	368.5
62.5°	329.4	335.1	335.1	325.9	320.2
65°	287.9	291.4	289.1	278.7	272.9
67.5°	248.8	251.1	246.5	236.1	226.9
70°	208.4	209.6	203.8	191.2	185.4
72.5°	171.6	172.7	165.8	150.9	144.0
75°	137.0	137.0	127.8	112.9	108.3
77.5°	102.5	106.0	95.6	87.5	87.5
80°	73.7	77.2	66.8	67.9	66.8
82.5°	48.4	51.8	48.4	48.4	48.4
85°	26.5	28.8	31.1	32.2	32.2
87.5°	8.1	13.8	15.0	16.1	18.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)