

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: P257313

Luminaire Tested: **D3X-WD-26L840-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257313
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-26L840-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (112) 4000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2602.8 lumens
Efficiency: N/A
Efficacy: 105.4 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

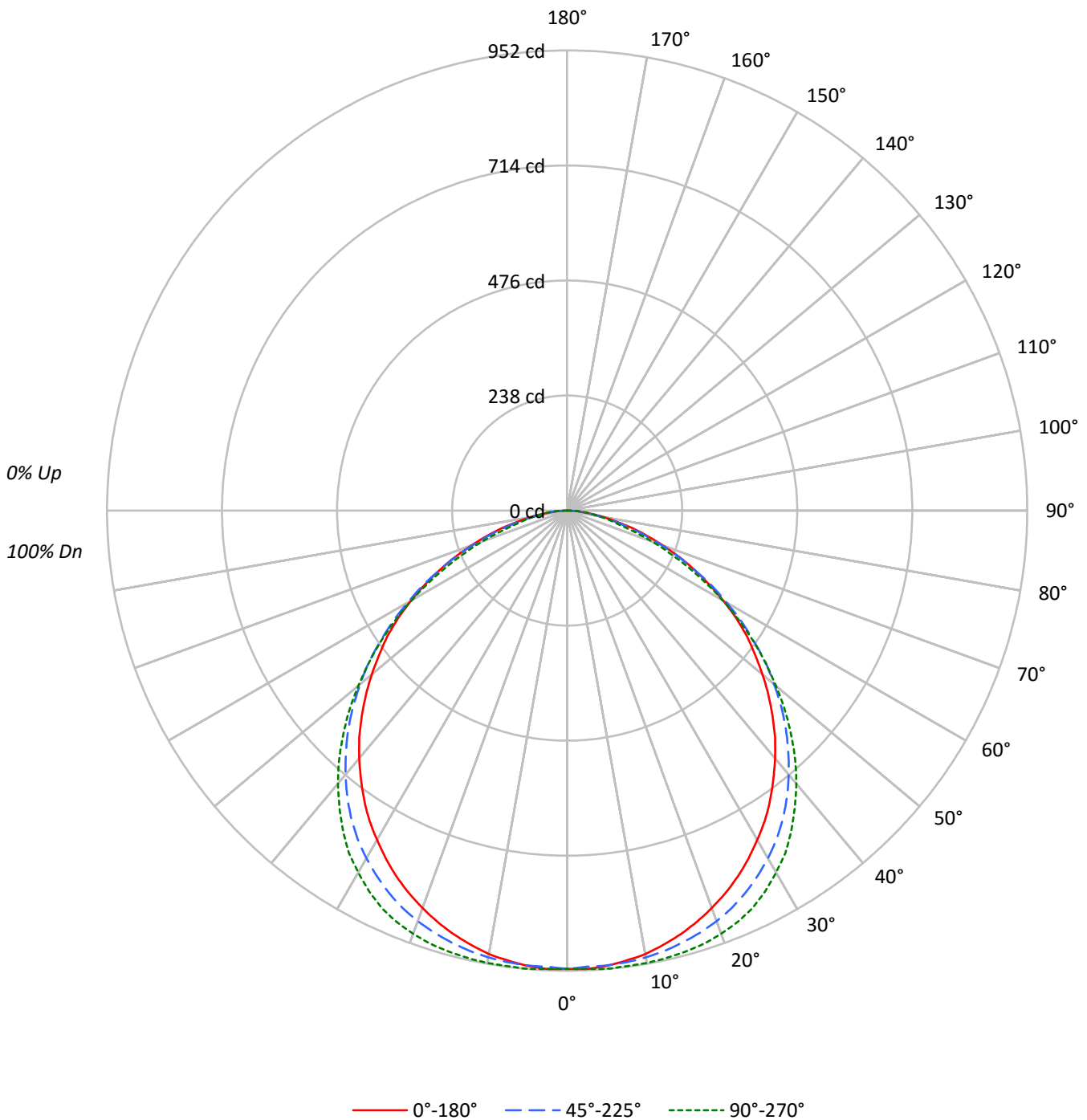
Input Watts (W): 24.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2551	2551	2551
5°	2555	2552	2571
10°	2546	2565	2597
15°	2528	2576	2632
20°	2505	2588	2668
25°	2480	2591	2694
30°	2444	2581	2686
35°	2405	2557	2656
40°	2351	2506	2592
45°	2286	2436	2494
50°	2208	2339	2359
55°	2131	2213	2202
60°	2007	2051	2001
65°	1850	1857	1754
70°	1655	1618	1472
75°	1438	1341	1135
80°	1153	1044	1044
85°	824	969	1003



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	3.5
10°-20°	261.7	10.1
20°-30°	401.8	15.4
30°-40°	484.0	18.6
40°-50°	489.1	18.8
50°-60°	417.2	16.0
60°-70°	285.6	11.0
70°-80°	137.8	5.3
80°-90°	35.5	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°	753.7	29.0
0°-40°	1237.7	47.6
0°-60°	2143.9	82.4
0°-90°	2602.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2602.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	948	948	948	948	948	
5°	946	946	945	950	952	90
15°	907	914	925	941	945	256
25°	835	848	872	898	907	385
35°	732	748	778	803	809	457
45°	601	617	640	655	655	463
55°	454	462	472	474	469	405
65°	290	294	292	281	275	288
75°	138	138	129	114	109	147
85°	27	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°	948.1	948.1	948.1	948.1	948.1
2.5°	949.2	948.1	944.6	949.2	949.2
5°	945.7	945.7	944.6	950.4	951.6
7.5°	938.8	941.1	942.3	949.2	950.4
10°	931.8	934.1	938.8	948.1	950.4
12.5°	920.2	924.8	933.0	945.7	948.1
15°	907.4	914.4	924.8	941.1	944.6
17.5°	892.3	901.6	915.5	934.1	939.9
20°	874.9	885.3	903.9	924.8	931.8
22.5°	856.3	867.9	890.0	914.4	921.3
25°	835.4	848.2	872.5	898.1	907.4
27.5°	812.1	826.1	852.8	879.5	887.7
30°	786.6	801.7	830.7	857.4	864.4
32.5°	761.0	776.1	806.3	831.9	840.0
35°	732.0	748.2	778.4	802.8	808.6
37.5°	700.6	716.9	747.1	771.5	773.8
40°	669.2	685.5	713.4	735.5	737.8
42.5°	636.7	651.8	677.4	695.9	698.3
45°	600.7	616.9	640.2	655.3	655.3
47.5°	564.7	580.9	600.7	611.1	611.1
50°	527.5	542.6	558.8	564.7	563.5
52.5°	490.3	504.2	518.2	519.3	517.0
55°	454.3	462.4	471.7	474.0	469.4
57.5°	414.8	421.8	427.6	424.1	420.6
60°	373.0	379.9	381.1	375.3	371.8
62.5°	332.3	338.1	338.1	328.8	323.0
65°	290.5	293.9	291.6	281.2	275.4
67.5°	251.0	253.3	248.6	238.2	228.9
70°	210.3	211.5	205.6	192.9	187.1
72.5°	173.1	174.3	167.3	152.2	145.2
75°	138.3	138.3	129.0	113.9	109.2
77.5°	103.4	106.9	96.4	88.3	88.3
80°	74.4	77.8	67.4	68.5	67.4
82.5°	48.8	52.3	48.8	48.8	48.8
85°	26.7	29.0	31.4	32.5	32.5
87.5°	8.1	13.9	15.1	16.3	18.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)