

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: P257401

Luminaire Tested: **D3X-WG-25L840-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257401  
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-25L840-LD5-UNV-22-T1-STD  
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (126) 4000 CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2396.3 lumens  
Efficiency: N/A  
Efficacy: 114.7 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

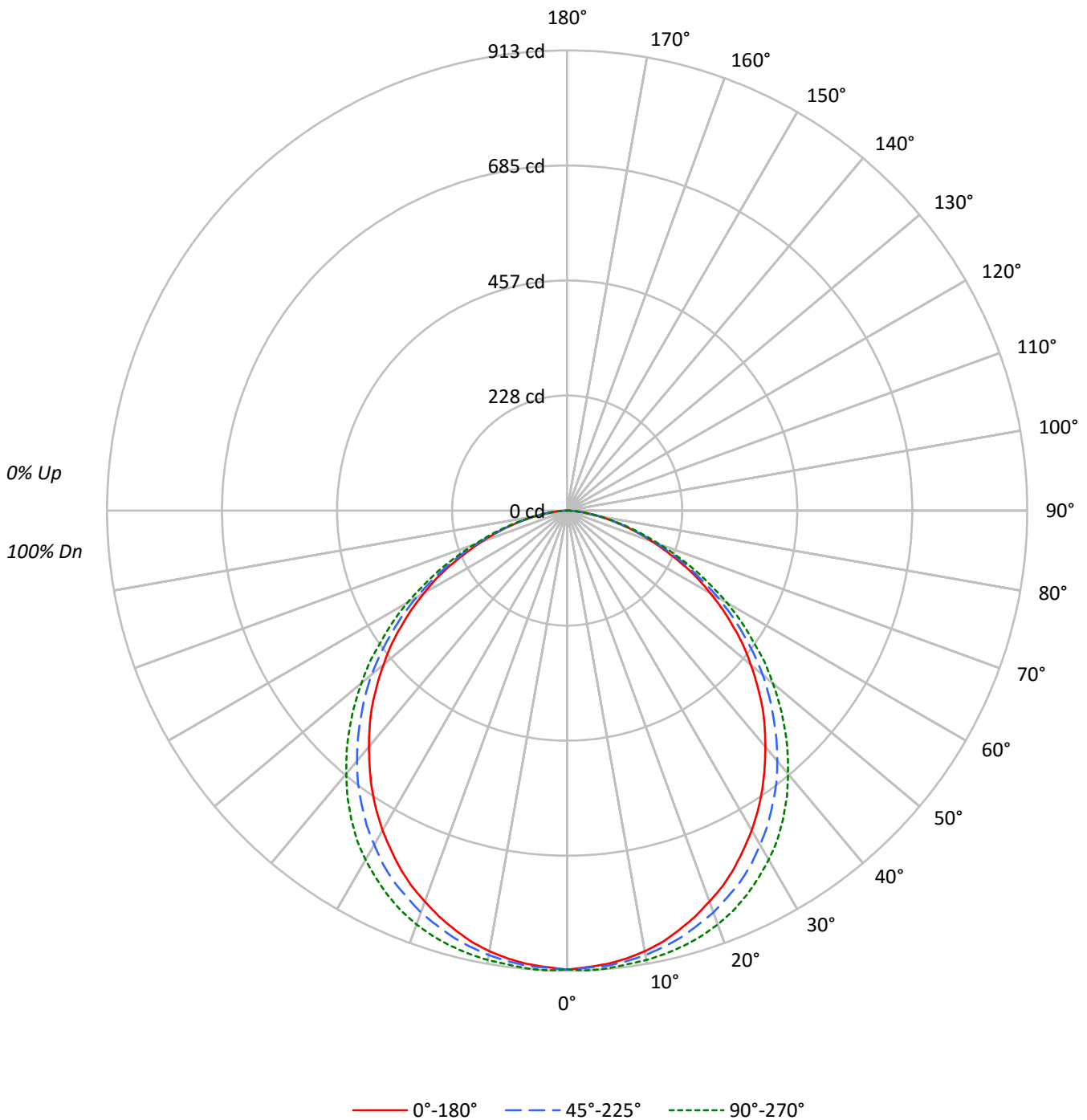
Input Watts (W): 20.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2450	2450	2450
5°	2439	2450	2463
10°	2426	2447	2474
15°	2399	2441	2491
20°	2364	2429	2502
25°	2326	2413	2500
30°	2276	2379	2486
35°	2218	2336	2453
40°	2149	2278	2395
45°	2081	2202	2323
50°	1991	2119	2231
55°	1892	1999	2107
60°	1766	1862	1971
65°	1612	1684	1782
70°	1411	1471	1531
75°	1203	1230	1283
80°	965	986	1006
85°	707	667	627



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.2	3.6
10°-20°	247.4	10.3
20°-30°	374.0	15.6
30°-40°	444.2	18.5
40°-50°	446.0	18.6
50°-60°	380.9	15.9
60°-70°	262.5	11.0
70°-80°	127.3	5.3
80°-90°	27.8	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°	707.6	29.5
0°-40°	1151.8	48.1
0°-60°	1978.7	82.6
0°-90°	2396.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2396.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	911	911	911	911	911	
5°	903	903	907	909	912	86
15°	861	865	876	888	894	243
25°	784	790	813	834	842	361
35°	675	686	711	738	747	422
45°	547	554	579	603	610	421
55°	403	410	426	444	449	360
65°	253	253	264	276	280	251
75°	116	113	118	121	123	124
85°	23	23	22	20	20	28
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	910.6	910.6	910.6	910.6	910.6
2.5°	906.8	906.8	908.1	911.9	913.2
5°	903.0	903.0	906.8	909.4	911.9
7.5°	896.6	897.9	901.7	906.8	908.1
10°	887.7	889.0	895.4	901.7	905.5
12.5°	876.3	878.8	886.5	896.6	900.5
15°	861.0	864.8	876.3	887.7	894.1
17.5°	844.5	849.6	862.3	878.8	885.2
20°	825.4	831.8	848.3	866.1	873.8
22.5°	806.3	811.4	830.5	850.9	859.8
25°	783.5	789.8	812.7	834.3	842.0
27.5°	758.0	766.9	791.1	814.0	821.6
30°	732.6	740.2	765.6	791.1	800.0
32.5°	704.6	712.2	740.2	765.6	775.8
35°	675.3	685.5	711.0	737.7	746.6
37.5°	643.5	655.0	681.7	704.6	716.0
40°	611.8	621.9	648.6	672.8	681.7
42.5°	580.0	588.9	614.3	639.7	647.4
45°	546.9	554.5	578.7	602.8	610.5
47.5°	511.3	520.2	543.1	563.4	572.3
50°	475.7	484.6	506.2	525.3	532.9
52.5°	441.3	446.4	466.8	484.6	493.5
55°	403.2	409.5	426.1	443.9	449.0
57.5°	366.3	370.1	386.6	401.9	409.5
60°	328.1	330.7	345.9	357.4	366.3
62.5°	292.5	292.5	304.0	316.7	321.8
65°	253.1	253.1	264.5	276.0	279.8
67.5°	214.9	217.5	225.1	234.0	236.6
70°	179.3	179.3	187.0	193.3	194.6
72.5°	147.5	146.3	150.1	155.2	157.7
75°	115.7	113.2	118.3	120.8	123.4
77.5°	87.8	86.5	89.0	91.6	91.6
80°	62.3	61.0	63.6	63.6	64.9
82.5°	40.7	42.0	42.0	40.7	39.4
85°	22.9	22.9	21.6	20.3	20.3
87.5°	7.6	7.6	7.6	8.9	8.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)