

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: P257527

Luminaire Tested: **D3X-WO-25L940-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257527  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-25L940-LD5-UNV-22-T1-STD  
Description: CORELITE D3X 2X2 LED LUMINAIRE  
Light Source: (126) 4000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2256.3 lumens  
Efficiency: N/A  
Efficacy: 108.0 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

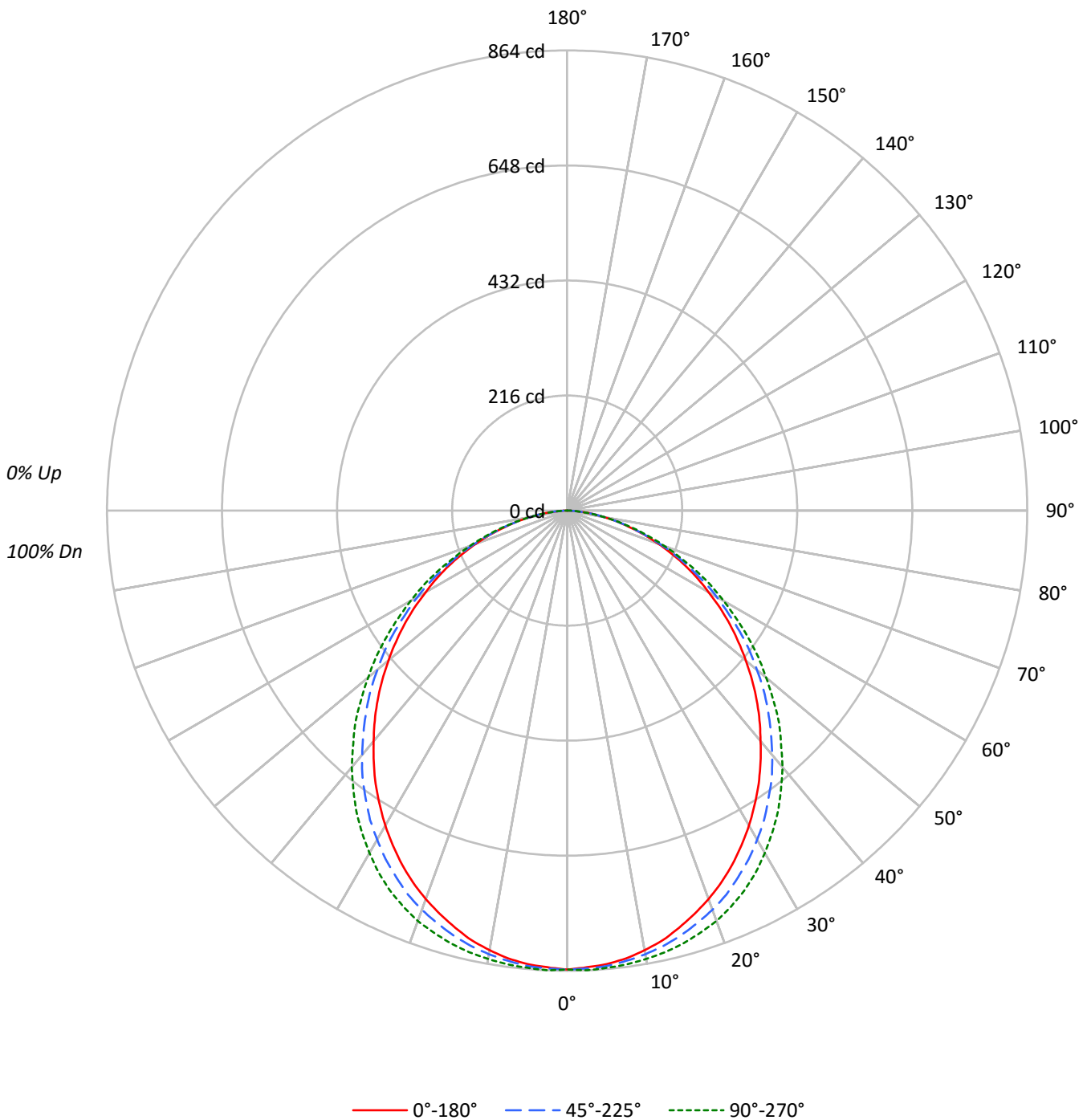
Input Watts (W): 20.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	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	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2319	2319	2319
5°	2309	2318	2328
10°	2290	2311	2336
15°	2260	2300	2344
20°	2223	2284	2349
25°	2178	2255	2338
30°	2122	2217	2307
35°	2059	2166	2266
40°	1985	2103	2210
45°	1915	2031	2142
50°	1834	1947	2041
55°	1750	1855	1945
60°	1651	1748	1826
65°	1559	1617	1695
70°	1432	1476	1529
75°	1274	1308	1343
80°	1097	1080	1080
85°	834	763	695



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.5	3.6
10°-20°	233.0	10.3
20°-30°	349.8	15.5
30°-40°	411.7	18.2
40°-50°	410.6	18.2
50°-60°	352.4	15.6
60°-70°	252.4	11.2
70°-80°	133.7	5.9
80°-90°	31.3	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°	664.3	29.4
0°-40°	1076.0	47.7
0°-60°	1839.0	81.5
0°-90°	2256.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2256.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	862	862	862	862	862	
5°	855	855	858	860	862	81
15°	811	814	826	837	841	229
25°	734	740	759	778	788	338
35°	627	635	659	682	690	392
45°	503	511	534	553	563	388
55°	373	379	395	409	414	333
65°	245	246	254	264	266	242
75°	122	122	126	128	129	131
85°	27	26	25	22	22	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	861.7	861.7	861.7	861.7	861.7
2.5°	858.3	858.3	860.5	862.8	863.9
5°	854.9	854.9	858.3	860.5	861.7
7.5°	848.2	848.2	852.7	857.2	859.4
10°	838.1	840.3	845.9	852.7	854.9
12.5°	826.8	829.1	836.9	845.9	849.3
15°	811.1	814.5	825.7	836.9	841.4
17.5°	794.2	798.7	812.2	825.7	831.3
20°	776.3	780.8	797.6	813.3	820.1
22.5°	756.1	761.7	780.8	797.6	804.4
25°	733.6	740.3	759.4	778.5	787.5
27.5°	708.9	716.7	738.1	758.3	766.2
30°	683.0	692.0	713.4	734.7	742.6
32.5°	654.9	662.8	688.6	708.9	716.7
35°	626.9	634.7	659.4	681.9	689.8
37.5°	596.5	606.6	631.4	651.6	659.4
40°	565.1	575.2	598.8	622.4	629.1
42.5°	534.7	543.7	566.2	587.5	594.3
45°	503.3	511.1	533.6	552.7	562.8
47.5°	470.7	478.6	501.0	519.0	524.6
50°	438.1	446.0	465.1	480.8	487.6
52.5°	405.5	413.4	431.4	446.0	452.7
55°	373.0	378.6	395.4	408.9	414.5
57.5°	340.4	344.9	358.4	373.0	376.3
60°	306.7	312.3	324.7	334.8	339.3
62.5°	276.4	278.6	289.8	298.8	304.4
65°	244.9	246.0	253.9	264.0	266.2
67.5°	212.3	213.4	221.3	226.9	229.2
70°	182.0	182.0	187.6	192.1	194.3
72.5°	152.8	151.7	155.0	159.5	161.8
75°	122.5	122.5	125.8	128.1	129.2
77.5°	96.6	94.4	96.6	98.9	98.9
80°	70.8	69.7	69.7	70.8	69.7
82.5°	48.3	47.2	48.3	46.1	44.9
85°	27.0	25.8	24.7	22.5	22.5
87.5°	9.0	7.9	7.9	9.0	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)