

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: P257281

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257281  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-25L940-LD5-UNV-22-T1-STD  
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH ROUND PERF  
Light Source: (126) 4000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2087.7 lumens  
Efficiency: N/A  
Efficacy: 99.9 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

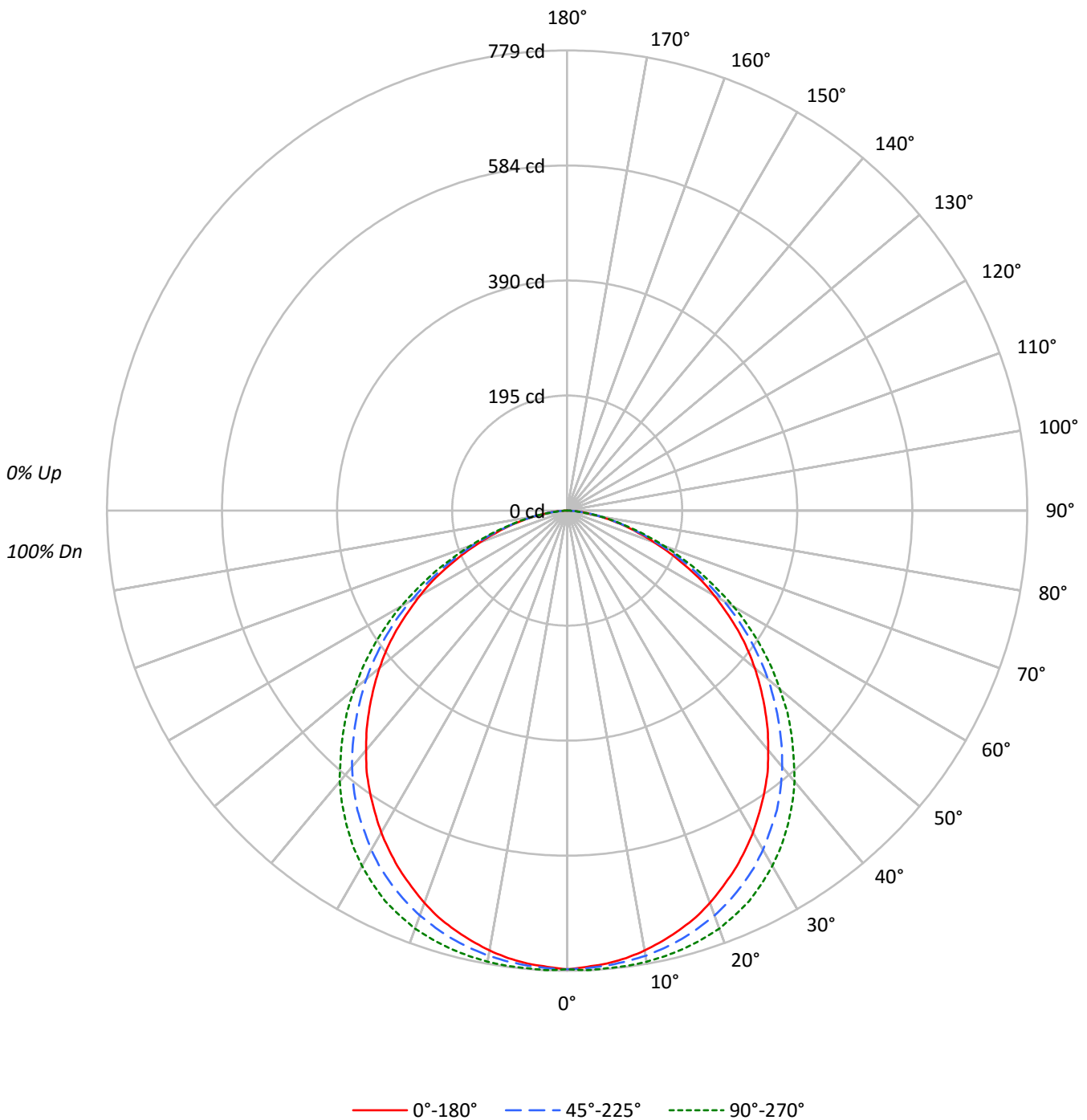
Input Watts (W): 20.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

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

	0°	45°	90°
0°	2090	2090	2090
5°	2079	2088	2100
10°	2067	2091	2119
15°	2047	2091	2138
20°	2024	2088	2156
25°	1992	2079	2165
30°	1955	2060	2158
35°	1912	2034	2138
40°	1859	1990	2104
45°	1800	1929	2044
50°	1736	1858	1966
55°	1656	1766	1877
60°	1548	1645	1754
65°	1403	1488	1581
70°	1238	1300	1371
75°	1064	1087	1133
80°	854	871	888
85°	624	556	556



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.6	3.5
10°-20°	212.0	10.2
20°-30°	322.4	15.4
30°-40°	385.8	18.5
40°-50°	390.0	18.7
50°-60°	335.6	16.1
60°-70°	231.7	11.1
70°-80°	112.4	5.4
80°-90°	24.4	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°	608.0	29.1
0°-40°	993.7	47.6
0°-60°	1719.3	82.4
0°-90°	2087.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2087.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	776	776	776	776	776	
5°	770	771	773	776	778	73
15°	735	739	751	762	768	207
25°	671	679	700	721	729	309
35°	582	592	619	642	651	364
45°	473	482	507	528	537	365
55°	353	358	376	393	400	315
65°	220	224	234	244	248	219
75°	102	100	104	108	109	109
85°	20	20	18	18	18	25
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	776.5	776.5	776.5	776.5	776.5
2.5°	773.1	773.1	775.4	777.6	778.8
5°	769.8	770.9	773.1	776.5	777.6
7.5°	764.2	765.3	769.8	775.4	777.6
10°	756.3	758.5	765.3	772.0	775.4
12.5°	746.2	750.7	758.5	767.5	772.0
15°	734.9	739.4	750.7	761.9	767.5
17.5°	722.6	727.1	740.6	755.2	760.8
20°	706.8	713.6	729.3	746.2	752.9
22.5°	688.9	697.9	715.8	733.8	741.7
25°	670.9	678.7	700.1	721.4	729.3
27.5°	650.7	659.6	683.2	704.6	712.5
30°	629.3	638.3	663.0	686.6	694.5
32.5°	605.7	616.9	640.5	665.3	674.3
35°	582.1	592.2	619.2	641.7	650.7
37.5°	557.4	566.4	593.3	616.9	625.9
40°	529.3	539.4	566.4	590.0	599.0
42.5°	502.3	512.4	537.2	559.6	567.5
45°	473.1	482.1	506.8	528.2	537.2
47.5°	443.9	454.0	475.3	496.7	505.7
50°	414.7	422.5	443.9	464.1	469.7
52.5°	384.3	391.1	410.2	428.1	436.0
55°	352.9	358.5	376.5	393.3	400.1
57.5°	319.1	325.9	342.7	355.1	363.0
60°	287.7	291.1	305.7	318.0	325.9
62.5°	256.2	257.3	268.6	280.9	285.4
65°	220.3	223.6	233.7	243.9	248.3
67.5°	187.7	191.0	198.9	206.8	210.1
70°	157.3	157.3	165.2	170.8	174.2
72.5°	127.0	128.1	133.7	137.1	140.5
75°	102.3	100.0	104.5	107.9	109.0
77.5°	76.4	75.3	78.7	79.8	82.0
80°	55.1	55.1	56.2	57.3	57.3
82.5°	36.0	36.0	37.1	34.8	33.7
85°	20.2	20.2	18.0	18.0	18.0
87.5°	6.7	6.7	6.7	7.9	6.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)