

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: P257521

Luminaire Tested: **D3X-WO-20L940-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257521  
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-20L940-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: 1818.1 lumens  
Efficiency: N/A  
Efficacy: 110.2 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

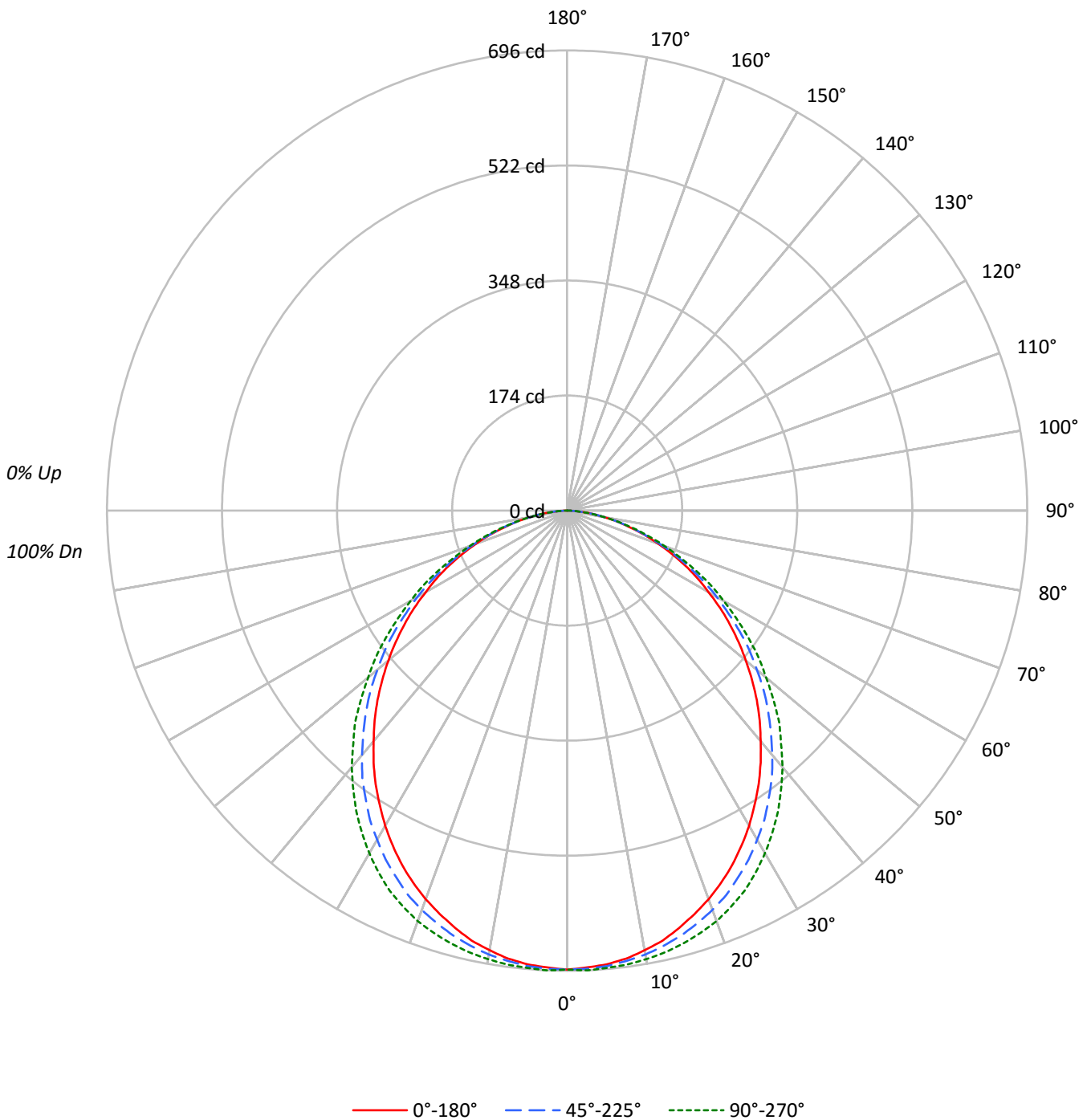
Input Watts (W): 16.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1868	1868	1868
5°	1861	1868	1875
10°	1845	1863	1882
15°	1821	1854	1889
20°	1791	1840	1892
25°	1755	1817	1884
30°	1710	1786	1859
35°	1659	1746	1826
40°	1599	1695	1781
45°	1544	1636	1726
50°	1478	1569	1645
55°	1410	1495	1567
60°	1330	1408	1471
65°	1256	1303	1366
70°	1154	1190	1232
75°	1026	1054	1082
80°	883	869	869
85°	670	614	559



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.7	3.6
10°-20°	187.7	10.3
20°-30°	281.9	15.5
30°-40°	331.7	18.2
40°-50°	330.9	18.2
50°-60°	283.9	15.6
60°-70°	203.4	11.2
70°-80°	107.7	5.9
80°-90°	25.2	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°	535.3	29.4
0°-40°	867.0	47.7
0°-60°	1481.9	81.5
0°-90°	1818.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1818.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	694	694	694	694	694	
5°	689	689	692	693	694	65
15°	654	656	665	674	678	184
25°	591	597	612	627	635	272
35°	505	512	531	550	556	316
45°	406	412	430	445	454	313
55°	300	305	319	330	334	269
65°	197	198	205	213	214	195
75°	99	99	101	103	104	106
85°	22	21	20	18	18	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	694.3	694.3	694.3	694.3	694.3
2.5°	691.6	691.6	693.4	695.2	696.1
5°	688.9	688.9	691.6	693.4	694.3
7.5°	683.5	683.5	687.1	690.7	692.5
10°	675.3	677.1	681.7	687.1	688.9
12.5°	666.3	668.1	674.4	681.7	684.4
15°	653.6	656.3	665.4	674.4	678.0
17.5°	640.0	643.6	654.5	665.4	669.9
20°	625.5	629.2	642.7	655.4	660.8
22.5°	609.2	613.8	629.2	642.7	648.2
25°	591.1	596.6	612.0	627.3	634.6
27.5°	571.2	577.6	594.8	611.0	617.4
30°	550.4	557.6	574.8	592.0	598.4
32.5°	527.8	534.1	554.9	571.2	577.6
35°	505.1	511.5	531.4	549.5	555.8
37.5°	480.7	488.8	508.8	525.0	531.4
40°	455.3	463.5	482.5	501.5	506.9
42.5°	430.9	438.1	456.2	473.4	478.9
45°	405.6	411.9	430.0	445.4	453.5
47.5°	379.3	385.6	403.7	418.2	422.8
50°	353.0	359.4	374.8	387.4	392.9
52.5°	326.8	333.1	347.6	359.4	364.8
55°	300.5	305.1	318.6	329.5	334.0
57.5°	274.3	277.9	288.8	300.5	303.3
60°	247.1	251.7	261.6	269.8	273.4
62.5°	222.7	224.5	233.6	240.8	245.3
65°	197.3	198.3	204.6	212.7	214.5
67.5°	171.1	172.0	178.3	182.9	184.7
70°	146.7	146.7	151.2	154.8	156.6
72.5°	123.1	122.2	124.9	128.5	130.4
75°	98.7	98.7	101.4	103.2	104.1
77.5°	77.9	76.0	77.9	79.7	79.7
80°	57.0	56.1	56.1	57.0	56.1
82.5°	38.9	38.0	38.9	37.1	36.2
85°	21.7	20.8	19.9	18.1	18.1
87.5°	7.2	6.3	6.3	7.2	7.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)