

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: P257519

Luminaire Tested: **D3X-WO-20L930-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257519
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-20L930-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE
Light Source: (126) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1707.9 lumens
Efficiency: N/A
Efficacy: 103.5 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

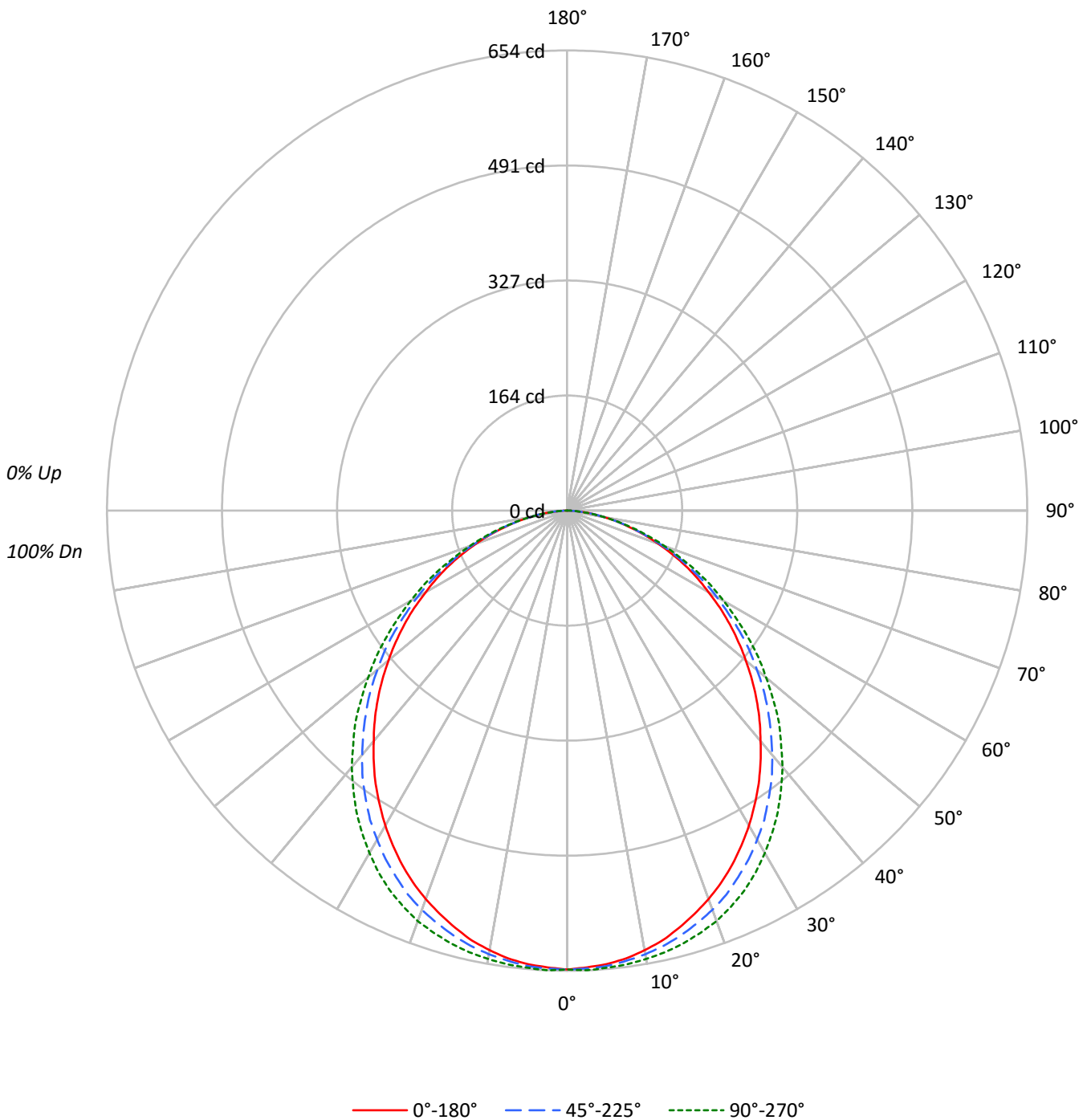
Input Watts (W): 16.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1755	1755	1755
5°	1748	1755	1762
10°	1733	1750	1768
15°	1711	1741	1774
20°	1683	1729	1778
25°	1649	1707	1770
30°	1606	1678	1747
35°	1559	1640	1715
40°	1502	1592	1673
45°	1450	1537	1621
50°	1388	1474	1545
55°	1324	1404	1472
60°	1249	1323	1382
65°	1181	1224	1283
70°	1084	1117	1157
75°	964	990	1017
80°	831	817	817
85°	630	577	525



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	3.6
10°-20°	176.4	10.3
20°-30°	264.8	15.5
30°-40°	311.6	18.2
40°-50°	310.8	18.2
50°-60°	266.7	15.6
60°-70°	191.0	11.2
70°-80°	101.2	5.9
80°-90°	23.7	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°	502.8	29.4
0°-40°	814.5	47.7
0°-60°	1392.0	81.5
0°-90°	1707.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1707.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	652	652	652	652	652	
5°	647	647	650	651	652	61
15°	614	616	625	634	637	173
25°	555	560	575	589	596	256
35°	474	480	499	516	522	296
45°	381	387	404	418	426	294
55°	282	287	299	310	314	252
65°	185	186	192	200	202	183
75°	93	93	95	97	98	99
85°	20	20	19	17	17	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	652.2	652.2	652.2	652.2	652.2
2.5°	649.7	649.7	651.4	653.1	653.9
5°	647.1	647.1	649.7	651.4	652.2
7.5°	642.0	642.0	645.4	648.8	650.5
10°	634.4	636.1	640.3	645.4	647.1
12.5°	625.9	627.6	633.5	640.3	642.9
15°	614.0	616.5	625.0	633.5	636.9
17.5°	601.2	604.6	614.8	625.0	629.3
20°	587.6	591.0	603.8	615.7	620.8
22.5°	572.3	576.5	591.0	603.8	608.9
25°	555.3	560.4	574.8	589.3	596.1
27.5°	536.6	542.5	558.7	574.0	579.9
30°	517.0	523.8	540.0	556.1	562.1
32.5°	495.8	501.7	521.3	536.6	542.5
35°	474.5	480.5	499.2	516.2	522.1
37.5°	451.5	459.2	477.9	493.2	499.2
40°	427.7	435.4	453.2	471.1	476.2
42.5°	404.8	411.6	428.6	444.7	449.8
45°	381.0	386.9	403.9	418.4	426.0
47.5°	356.3	362.3	379.3	392.9	397.1
50°	331.6	337.6	352.1	364.0	369.1
52.5°	307.0	312.9	326.5	337.6	342.7
55°	282.3	286.6	299.3	309.5	313.8
57.5°	257.7	261.1	271.3	282.3	284.9
60°	232.1	236.4	245.8	253.4	256.8
62.5°	209.2	210.9	219.4	226.2	230.4
65°	185.4	186.2	192.2	199.8	201.5
67.5°	160.7	161.6	167.5	171.8	173.5
70°	137.8	137.8	142.0	145.4	147.1
72.5°	115.6	114.8	117.4	120.8	122.5
75°	92.7	92.7	95.2	96.9	97.8
77.5°	73.1	71.4	73.1	74.8	74.8
80°	53.6	52.7	52.7	53.6	52.7
82.5°	36.6	35.7	36.6	34.9	34.0
85°	20.4	19.6	18.7	17.0	17.0
87.5°	6.8	6.0	6.0	6.8	6.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)