

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: P257273

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257273
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-20L930-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH ROUND PERF
Light Source: (126) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1580.3 lumens
Efficiency: N/A
Efficacy: 95.8 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

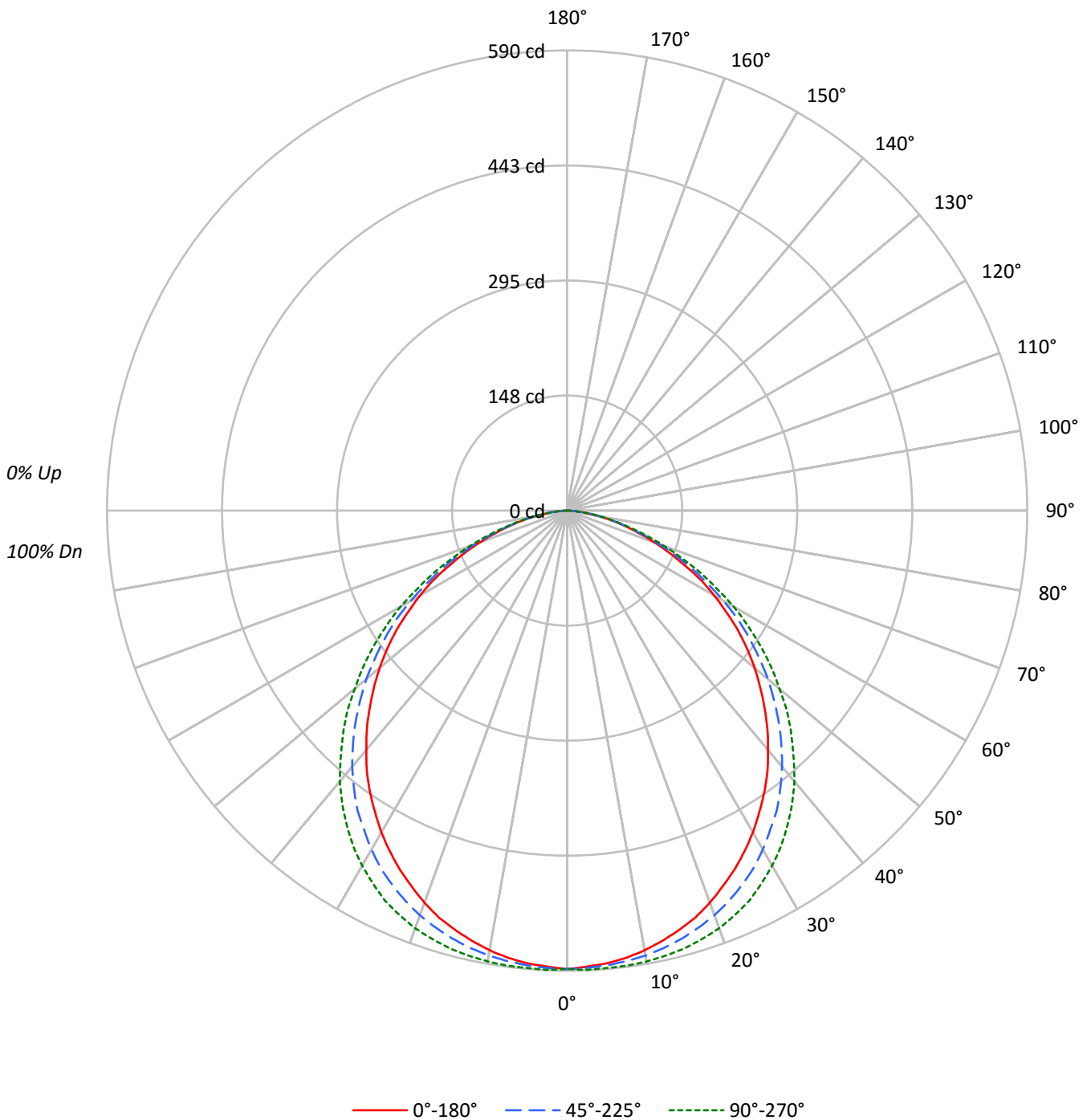
Input Watts (W): 16.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1582	1582	1582
5°	1574	1581	1590
10°	1564	1583	1604
15°	1550	1583	1619
20°	1532	1581	1632
25°	1508	1573	1639
30°	1480	1560	1633
35°	1447	1540	1618
40°	1407	1506	1593
45°	1363	1460	1547
50°	1314	1407	1489
55°	1253	1337	1421
60°	1172	1245	1328
65°	1061	1126	1197
70°	937	983	1037
75°	805	822	858
80°	646	659	673
85°	472	420	420



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.7	3.5
10°-20°	160.5	10.2
20°-30°	244.1	15.4
30°-40°	292.0	18.5
40°-50°	295.2	18.7
50°-60°	254.0	16.1
60°-70°	175.4	11.1
70°-80°	85.0	5.4
80°-90°	18.4	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°	460.2	29.1
0°-40°	752.2	47.6
0°-60°	1301.4	82.4
0°-90°	1580.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1580.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	588	588	588	588	588	
5°	583	584	585	588	589	55
15°	556	560	568	577	581	157
25°	508	514	530	546	552	234
35°	441	448	469	486	492	275
45°	358	365	384	400	407	276
55°	267	271	285	298	303	238
65°	167	169	177	185	188	166
75°	77	76	79	82	82	82
85°	15	15	14	14	14	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	587.8	587.8	587.8	587.8	587.8
2.5°	585.2	585.2	586.9	588.6	589.5
5°	582.7	583.5	585.2	587.8	588.6
7.5°	578.4	579.3	582.7	586.9	588.6
10°	572.5	574.2	579.3	584.4	586.9
12.5°	564.8	568.2	574.2	581.0	584.4
15°	556.3	559.7	568.2	576.7	581.0
17.5°	547.0	550.4	560.6	571.6	575.9
20°	535.0	540.1	552.1	564.8	569.9
22.5°	521.4	528.2	541.8	555.5	561.4
25°	507.8	513.8	529.9	546.1	552.1
27.5°	492.5	499.3	517.2	533.3	539.3
30°	476.4	483.2	501.9	519.7	525.7
32.5°	458.5	467.0	484.9	503.6	510.4
35°	440.6	448.3	468.7	485.7	492.5
37.5°	421.9	428.7	449.1	467.0	473.8
40°	400.6	408.3	428.7	446.6	453.4
42.5°	380.2	387.9	406.6	423.6	429.6
45°	358.1	364.9	383.6	399.8	406.6
47.5°	336.0	343.7	359.8	376.0	382.8
50°	313.9	319.8	336.0	351.3	355.6
52.5°	290.9	296.0	310.5	324.1	330.0
55°	267.1	271.3	285.0	297.7	302.8
57.5°	241.6	246.7	259.4	268.8	274.8
60°	217.8	220.3	231.4	240.7	246.7
62.5°	193.9	194.8	203.3	212.7	216.1
65°	166.7	169.3	176.9	184.6	188.0
67.5°	142.1	144.6	150.6	156.5	159.1
70°	119.1	119.1	125.0	129.3	131.8
72.5°	96.1	97.0	101.2	103.8	106.3
75°	77.4	75.7	79.1	81.7	82.5
77.5°	57.8	57.0	59.5	60.4	62.1
80°	41.7	41.7	42.5	43.4	43.4
82.5°	27.2	27.2	28.1	26.4	25.5
85°	15.3	15.3	13.6	13.6	13.6
87.5°	5.1	5.1	5.1	6.0	5.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)