

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: P257274

Luminaire Tested: **D3X-WD-20L935-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257274
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-20L935-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH ROUND PERF
Light Source: (126) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1639.8 lumens
Efficiency: N/A
Efficacy: 99.4 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

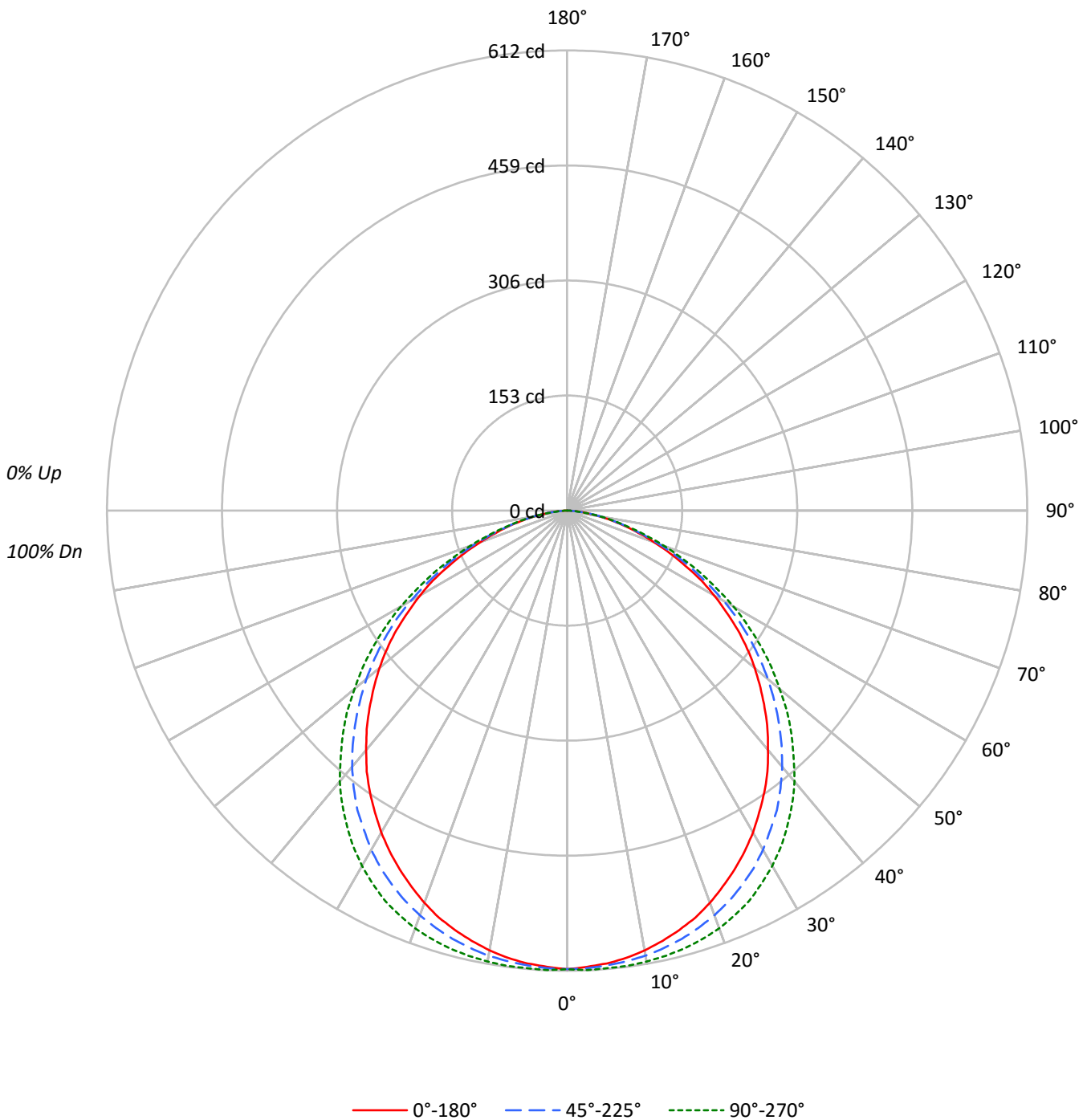
Input Watts (W): 16.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1641	1641	1641
5°	1633	1640	1650
10°	1623	1643	1664
15°	1608	1643	1679
20°	1590	1640	1694
25°	1564	1633	1701
30°	1536	1618	1695
35°	1502	1598	1679
40°	1460	1563	1653
45°	1414	1515	1606
50°	1364	1459	1544
55°	1301	1387	1474
60°	1216	1292	1378
65°	1102	1169	1242
70°	972	1020	1076
75°	835	854	890
80°	669	683	697
85°	491	435	435



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.8	3.5
10°-20°	166.5	10.2
20°-30°	253.2	15.4
30°-40°	303.0	18.5
40°-50°	306.3	18.7
50°-60°	263.6	16.1
60°-70°	182.0	11.1
70°-80°	88.2	5.4
80°-90°	19.1	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°	477.5	29.1
0°-40°	780.5	47.6
0°-60°	1350.4	82.4
0°-90°	1639.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1639.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	610	610	610	610	610	
5°	605	606	607	610	611	57
15°	577	581	590	598	603	163
25°	527	533	550	567	573	243
35°	457	465	486	504	511	286
45°	372	379	398	415	422	287
55°	277	282	296	309	314	247
65°	173	176	184	192	195	172
75°	80	79	82	85	86	85
85°	16	16	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°	609.9	609.9	609.9	609.9	609.9
2.5°	607.3	607.3	609.0	610.8	611.7
5°	604.6	605.5	607.3	609.9	610.8
7.5°	600.2	601.1	604.6	609.0	610.8
10°	594.0	595.8	601.1	606.4	609.0
12.5°	586.1	589.6	595.8	602.8	606.4
15°	577.3	580.8	589.6	598.4	602.8
17.5°	567.5	571.1	581.7	593.1	597.6
20°	555.2	560.5	572.8	586.1	591.4
22.5°	541.1	548.1	562.2	576.4	582.5
25°	526.9	533.1	549.9	566.7	572.8
27.5°	511.1	518.1	536.6	553.4	559.6
30°	494.3	501.3	520.8	539.3	545.5
32.5°	475.7	484.6	503.1	522.5	529.6
35°	457.2	465.2	486.3	504.0	511.1
37.5°	437.8	444.9	466.0	484.6	491.6
40°	415.7	423.7	444.9	463.4	470.5
42.5°	394.5	402.5	421.9	439.6	445.7
45°	371.6	378.7	398.1	414.8	421.9
47.5°	348.6	356.6	373.4	390.1	397.2
50°	325.7	331.9	348.6	364.5	368.9
52.5°	301.9	307.2	322.2	336.3	342.5
55°	277.2	281.6	295.7	308.9	314.2
57.5°	250.7	256.0	269.2	278.9	285.1
60°	226.0	228.6	240.1	249.8	256.0
62.5°	201.2	202.1	211.0	220.7	224.2
65°	173.0	175.6	183.6	191.5	195.1
67.5°	147.4	150.1	156.2	162.4	165.1
70°	123.6	123.6	129.7	134.2	136.8
72.5°	99.7	100.6	105.0	107.7	110.3
75°	80.3	78.6	82.1	84.7	85.6
77.5°	60.0	59.1	61.8	62.7	64.4
80°	43.2	43.2	44.1	45.0	45.0
82.5°	28.2	28.2	29.1	27.4	26.5
85°	15.9	15.9	14.1	14.1	14.1
87.5°	5.3	5.3	5.3	6.2	5.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)