

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: P257309

Luminaire Tested: **D3X-WD-23L935-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-23L935-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (112) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2008.9 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

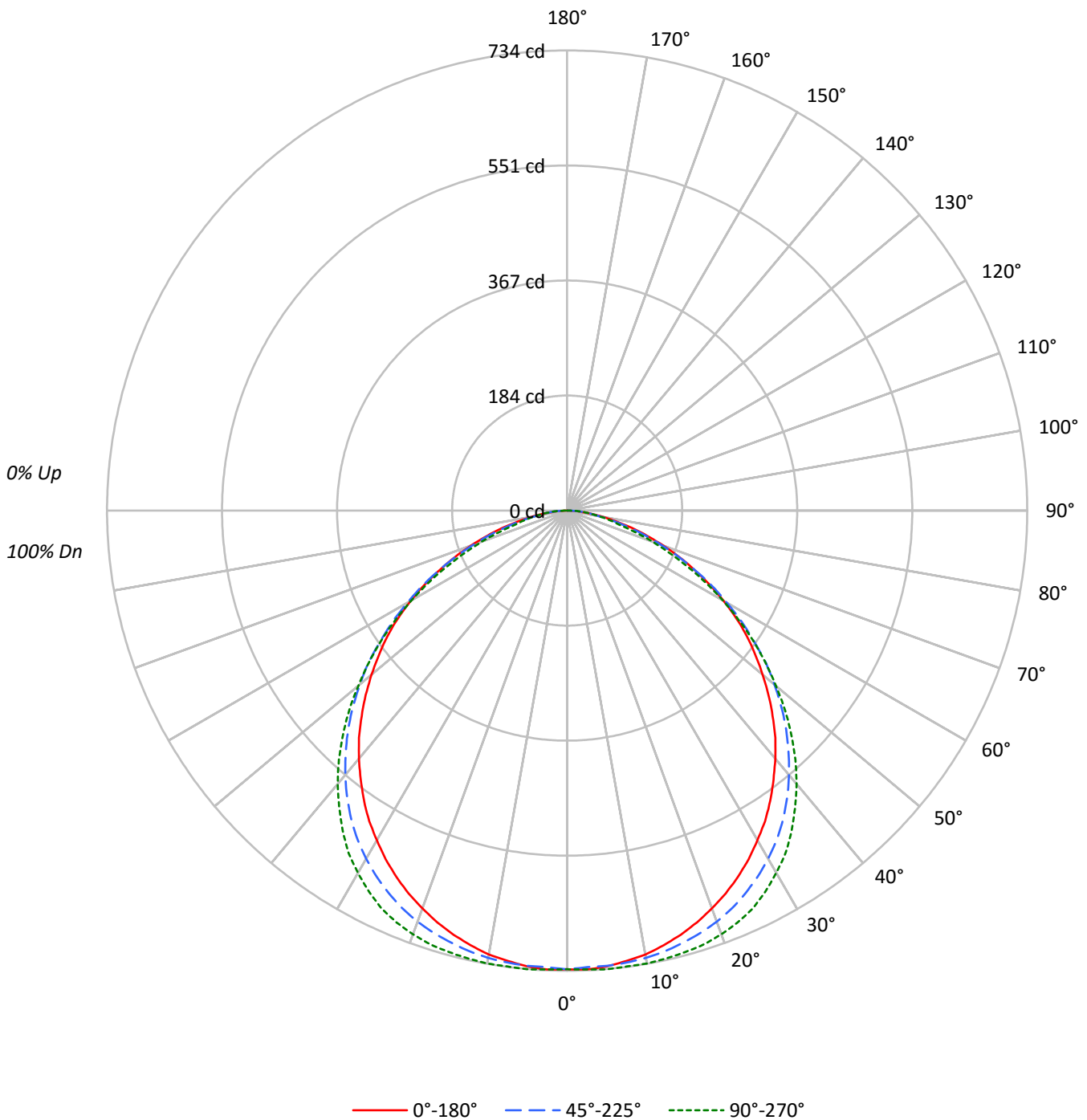
Input Watts (W): 22.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	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	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1969	1969	1969
5°	1972	1969	1984
10°	1965	1980	2004
15°	1951	1989	2031
20°	1934	1998	2060
25°	1914	1999	2079
30°	1886	1992	2073
35°	1856	1974	2050
40°	1814	1934	2000
45°	1764	1880	1925
50°	1704	1806	1821
55°	1645	1708	1700
60°	1549	1583	1545
65°	1428	1433	1353
70°	1277	1249	1136
75°	1109	1035	876
80°	890	806	806
85°	636	747	775



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.6	3.5
10°-20°	202.0	10.1
20°-30°	310.1	15.4
30°-40°	373.5	18.6
40°-50°	377.5	18.8
50°-60°	322.0	16.0
60°-70°	220.4	11.0
70°-80°	106.4	5.3
80°-90°	27.4	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°	581.7	29.0
0°-40°	955.3	47.6
0°-60°	1654.7	82.4
0°-90°	2008.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2008.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	732	732	732	732	732	
5°	730	730	729	734	734	69
15°	700	706	714	726	729	198
25°	645	655	673	693	700	297
35°	565	578	601	620	624	353
45°	464	476	494	506	506	358
55°	351	357	364	366	362	312
65°	224	227	225	217	212	222
75°	107	107	100	88	84	113
85°	21	22	24	25	25	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	731.7	731.7	731.7	731.7	731.7
2.5°	732.6	731.7	729.0	732.6	732.6
5°	729.9	729.9	729.0	733.5	734.4
7.5°	724.6	726.4	727.2	732.6	733.5
10°	719.2	721.0	724.6	731.7	733.5
12.5°	710.2	713.8	720.1	729.9	731.7
15°	700.3	705.7	713.8	726.4	729.0
17.5°	688.7	695.9	706.6	721.0	725.5
20°	675.2	683.3	697.7	713.8	719.2
22.5°	660.9	669.9	686.9	705.7	711.1
25°	644.7	654.6	673.4	693.2	700.3
27.5°	626.8	637.6	658.2	678.8	685.1
30°	607.1	618.7	641.2	661.8	667.2
32.5°	587.4	599.0	622.3	642.1	648.3
35°	564.9	577.5	600.8	619.6	624.1
37.5°	540.7	553.3	576.6	595.4	597.2
40°	516.5	529.1	550.6	567.6	569.4
42.5°	491.4	503.1	522.8	537.1	538.9
45°	463.6	476.2	494.1	505.8	505.8
47.5°	435.8	448.4	463.6	471.7	471.7
50°	407.1	418.8	431.3	435.8	434.9
52.5°	378.4	389.2	399.9	400.8	399.0
55°	350.6	356.9	364.1	365.9	362.3
57.5°	320.1	325.5	330.0	327.3	324.6
60°	287.9	293.2	294.1	289.6	287.0
62.5°	256.5	260.9	260.9	253.8	249.3
65°	224.2	226.9	225.1	217.0	212.5
67.5°	193.7	195.5	191.9	183.8	176.7
70°	162.3	163.2	158.7	148.9	144.4
72.5°	133.6	134.5	129.1	117.5	112.1
75°	106.7	106.7	99.5	87.9	84.3
77.5°	79.8	82.5	74.4	68.2	68.2
80°	57.4	60.1	52.0	52.9	52.0
82.5°	37.7	40.4	37.7	37.7	37.7
85°	20.6	22.4	24.2	25.1	25.1
87.5°	6.3	10.8	11.7	12.6	14.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)