

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: P257306

Luminaire Tested: **D3X-WD-23L835-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257306
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-23L835-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (112) 3500 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2333.4 lumens
Efficiency: N/A
Efficacy: 105.1 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

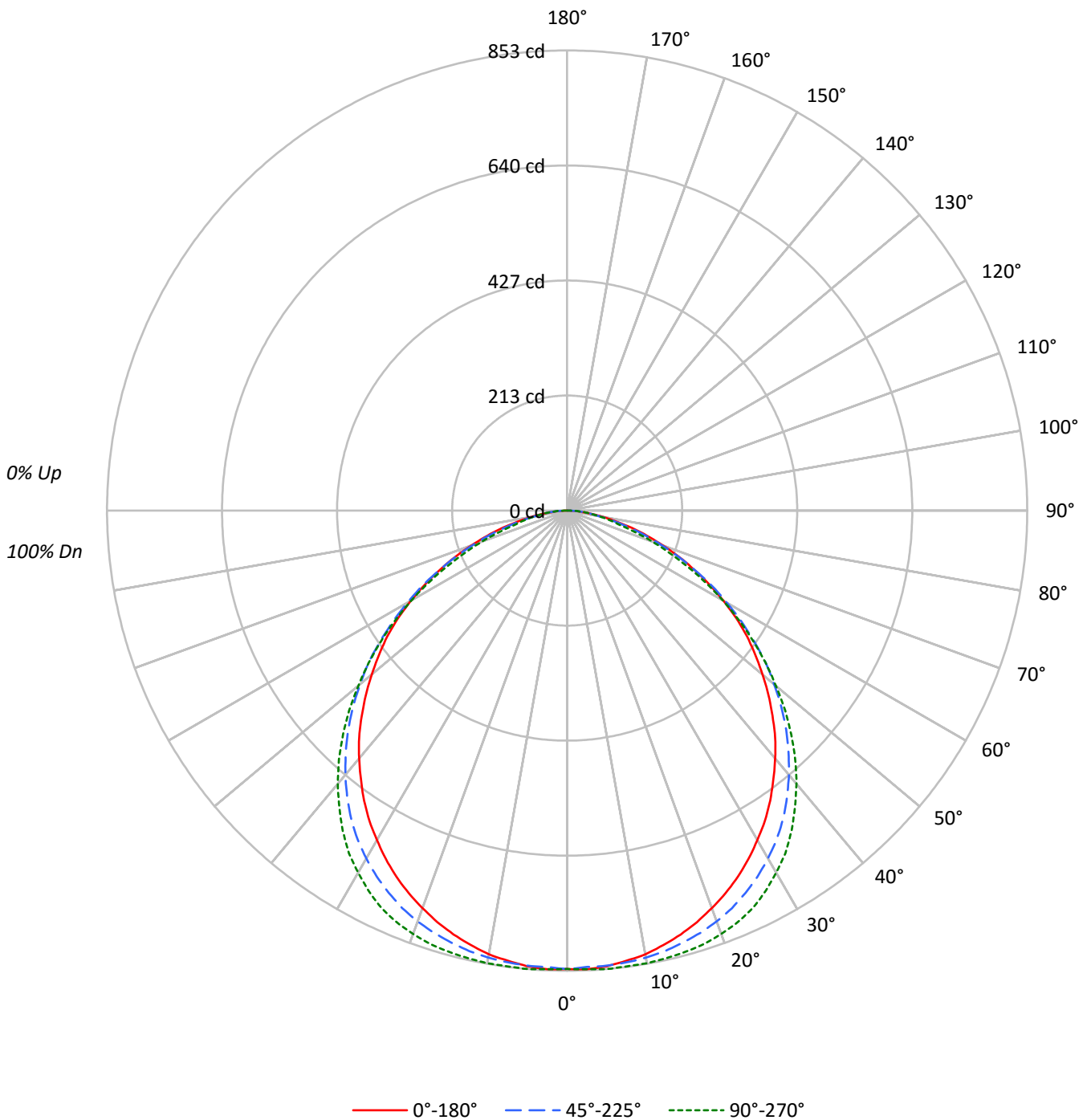
Input Watts (W): 22.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2287	2287	2287
5°	2290	2287	2304
10°	2283	2300	2328
15°	2266	2310	2359
20°	2246	2321	2392
25°	2224	2322	2415
30°	2191	2314	2408
35°	2156	2293	2382
40°	2108	2246	2323
45°	2049	2184	2236
50°	1980	2097	2115
55°	1911	1984	1974
60°	1800	1838	1794
65°	1658	1664	1572
70°	1483	1451	1319
75°	1288	1202	1018
80°	1034	936	936
85°	741	868	902



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.9	3.5
10°-20°	234.6	10.1
20°-30°	360.2	15.4
30°-40°	433.9	18.6
40°-50°	438.4	18.8
50°-60°	374.0	16.0
60°-70°	256.0	11.0
70°-80°	123.5	5.3
80°-90°	31.8	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°	675.7	29.0
0°-40°	1109.6	47.6
0°-60°	1922.0	82.4
0°-90°	2333.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2333.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	850	850	850	850	850	
5°	848	848	847	852	853	80
15°	814	820	829	844	847	229
25°	749	760	782	805	814	345
35°	656	671	698	720	725	410
45°	538	553	574	588	588	415
55°	407	415	423	425	421	363
65°	260	264	261	252	247	258
75°	124	124	116	102	98	132
85°	24	26	28	29	29	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	849.9	849.9	849.9	849.9	849.9
2.5°	851.0	849.9	846.8	851.0	851.0
5°	847.9	847.9	846.8	852.0	853.1
7.5°	841.6	843.7	844.7	851.0	852.0
10°	835.4	837.4	841.6	849.9	852.0
12.5°	824.9	829.1	836.4	847.9	849.9
15°	813.5	819.7	829.1	843.7	846.8
17.5°	799.9	808.3	820.8	837.4	842.7
20°	784.3	793.7	810.4	829.1	835.4
22.5°	767.7	778.1	797.9	819.7	826.0
25°	748.9	760.4	782.2	805.2	813.5
27.5°	728.1	740.6	764.5	788.5	795.8
30°	705.2	718.7	744.7	768.7	774.9
32.5°	682.2	695.8	722.9	745.8	753.1
35°	656.2	670.8	697.9	719.7	725.0
37.5°	628.1	642.7	669.7	691.6	693.7
40°	600.0	614.5	639.5	659.3	661.4
42.5°	570.8	584.3	607.2	623.9	626.0
45°	538.5	553.1	573.9	587.5	587.5
47.5°	506.2	520.8	538.5	547.9	547.9
50°	472.9	486.4	501.0	506.2	505.2
52.5°	439.6	452.1	464.6	465.6	463.5
55°	407.3	414.6	422.9	425.0	420.8
57.5°	371.8	378.1	383.3	380.2	377.1
60°	334.4	340.6	341.6	336.4	333.3
62.5°	297.9	303.1	303.1	294.8	289.6
65°	260.4	263.5	261.4	252.1	246.9
67.5°	225.0	227.1	222.9	213.5	205.2
70°	188.5	189.6	184.4	172.9	167.7
72.5°	155.2	156.2	150.0	136.4	130.2
75°	123.9	123.9	115.6	102.1	97.9
77.5°	92.7	95.8	86.5	79.2	79.2
80°	66.7	69.8	60.4	61.5	60.4
82.5°	43.7	46.9	43.7	43.7	43.7
85°	24.0	26.0	28.1	29.2	29.2
87.5°	7.3	12.5	13.5	14.6	16.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)