

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: P258362

Luminaire Tested: **D3X-WD-31L935-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-31L935-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (252) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2499.5 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

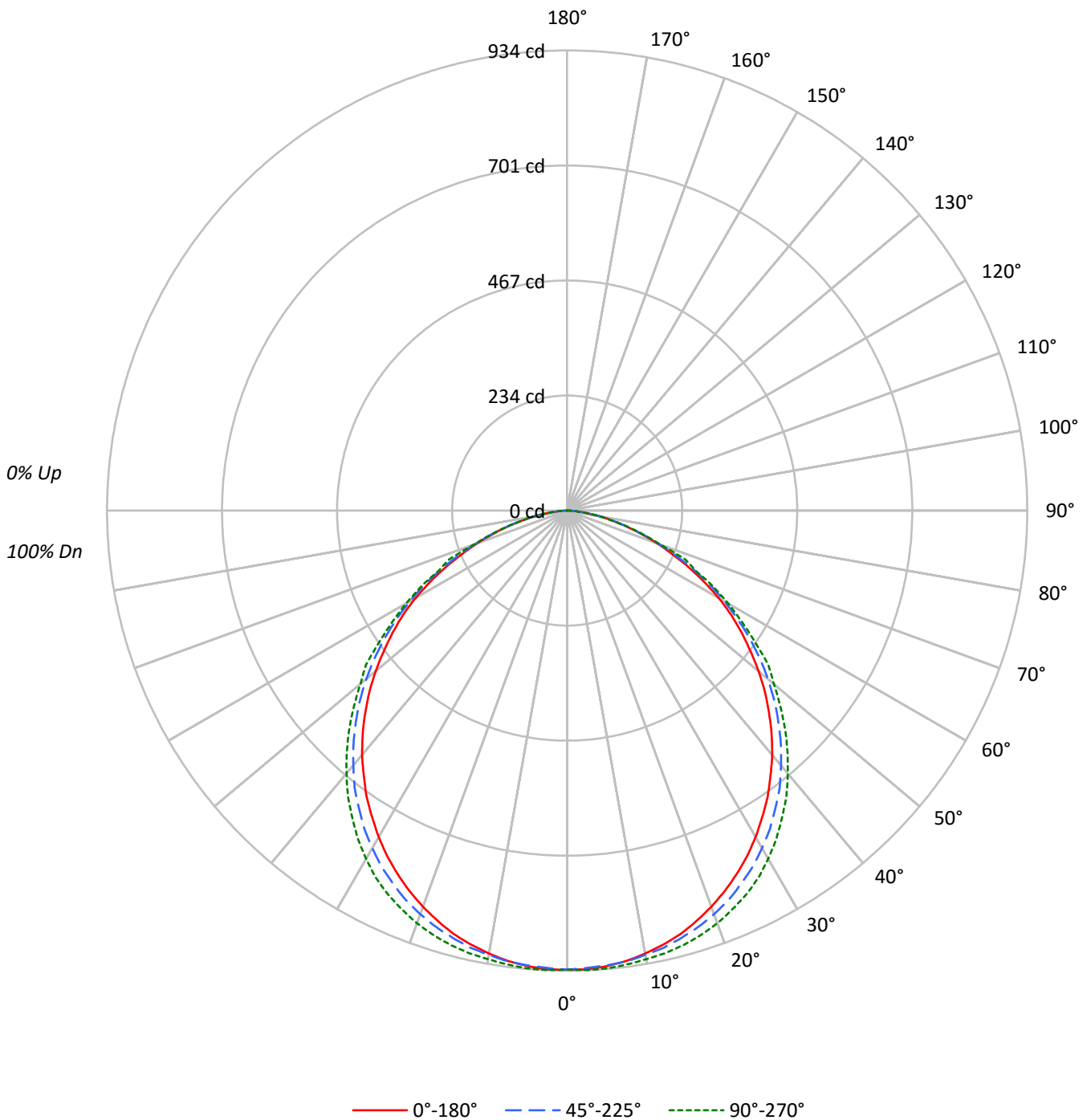
Input Watts (W): 22.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93		94	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	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	28		38	32	27		37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1254	1254	1254
5°	1254	1251	1260
10°	1247	1251	1263
15°	1239	1250	1272
20°	1225	1248	1276
25°	1209	1241	1277
30°	1189	1229	1268
35°	1165	1211	1249
40°	1137	1186	1224
45°	1102	1153	1189
50°	1063	1113	1147
55°	1014	1060	1092
60°	956	992	1016
65°	868	897	914
70°	762	780	790
75°	644	653	657
80°	514	521	508
85°	346	360	346



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	3.5
10°-20°	253.9	10.2
20°-30°	385.3	15.4
30°-40°	460.0	18.4
40°-50°	465.7	18.6
50°-60°	402.5	16.1
60°-70°	279.0	11.2
70°-80°	135.0	5.4
80°-90°	29.7	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°	727.5	29.1
0°-40°	1187.6	47.5
0°-60°	2055.8	82.2
0°-90°	2499.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2499.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	932	932	932	932	932	
5°	928	927	926	931	933	88
15°	890	891	898	908	913	251
25°	814	820	836	853	860	375
35°	709	716	737	756	760	443
45°	579	587	606	622	625	447
55°	432	437	452	471	465	386
65°	273	275	282	286	287	270
75°	124	125	126	125	126	133
85°	22	24	23	22	22	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	931.8	931.8	931.8	931.8	931.8
2.5°	931.8	930.9	929.1	931.8	933.6
5°	928.2	927.3	926.4	930.9	932.7
7.5°	921.9	921.9	922.8	927.3	929.1
10°	912.9	913.8	915.6	922.8	924.6
12.5°	902.2	904.0	908.5	916.5	920.1
15°	889.6	891.4	897.7	908.5	912.9
17.5°	873.5	877.1	886.0	898.6	903.1
20°	855.6	860.0	871.7	886.0	891.4
22.5°	835.8	840.3	855.6	870.8	876.2
25°	814.3	819.7	835.8	852.9	860.0
27.5°	791.0	797.3	815.2	833.1	840.3
30°	765.0	772.2	791.0	809.8	816.1
32.5°	737.2	744.3	765.9	783.8	790.1
35°	709.4	715.7	737.2	756.0	760.5
37.5°	678.0	685.2	708.5	724.6	730.9
40°	647.5	654.7	675.3	691.4	696.8
42.5°	614.3	621.5	642.1	657.4	661.8
45°	579.3	587.4	606.2	621.5	625.1
47.5°	544.4	550.6	570.4	583.8	586.5
50°	507.6	513.9	531.8	545.3	547.9
52.5°	469.0	478.9	493.2	503.1	514.8
55°	432.3	436.7	452.0	470.8	465.4
57.5°	395.5	398.2	410.7	418.8	420.6
60°	355.1	358.7	368.6	373.1	377.6
62.5°	313.0	315.7	327.3	331.8	333.6
65°	272.6	275.3	281.6	286.1	287.0
67.5°	231.4	234.1	239.4	243.0	259.2
70°	193.7	195.5	198.2	205.4	200.9
72.5°	157.8	158.7	161.4	161.4	162.3
75°	123.8	124.7	125.6	124.7	126.4
77.5°	92.4	94.2	95.1	94.2	93.3
80°	66.4	68.2	67.3	65.5	65.5
82.5°	43.0	43.9	43.0	42.1	42.1
85°	22.4	24.2	23.3	22.4	22.4
87.5°	8.1	9.0	9.9	10.8	10.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)