

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: P258361

Luminaire Tested: **D3X-WD-31L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258361
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-31L930-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (252) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2409.9 lumens
Efficiency: N/A
Efficacy: 108.6 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

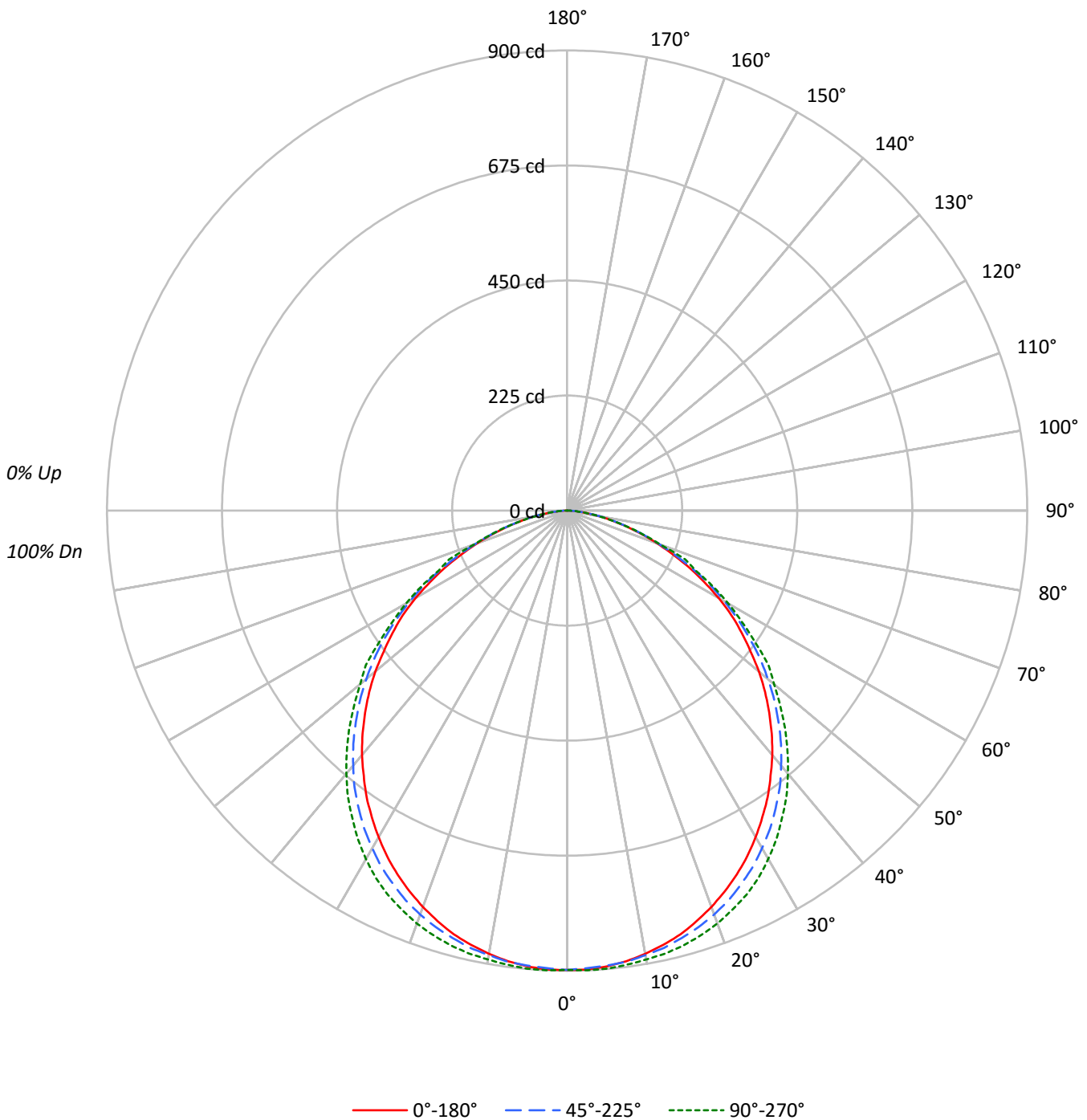
Input Watts (W): 22.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1209	1209	1209
5°	1209	1206	1215
10°	1203	1206	1218
15°	1195	1206	1226
20°	1181	1203	1231
25°	1166	1196	1231
30°	1146	1185	1223
35°	1123	1168	1204
40°	1097	1144	1180
45°	1063	1112	1147
50°	1024	1073	1106
55°	978	1022	1053
60°	921	956	980
65°	837	864	881
70°	735	752	762
75°	620	630	634
80°	496	503	489
85°	333	347	333



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.1	3.5
10°-20°	244.8	10.2
20°-30°	371.5	15.4
30°-40°	443.5	18.4
40°-50°	449.0	18.6
50°-60°	388.1	16.1
60°-70°	269.0	11.2
70°-80°	130.2	5.4
80°-90°	28.6	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°	701.5	29.1
0°-40°	1145.0	47.5
0°-60°	1982.1	82.2
0°-90°	2409.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2409.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	898	898	898	898	898	
5°	895	894	893	898	899	85
15°	858	860	866	876	880	242
25°	785	790	806	822	829	362
35°	684	690	711	729	733	427
45°	559	566	584	599	603	431
55°	417	421	436	454	449	372
65°	263	266	272	276	277	260
75°	119	120	121	120	122	128
85°	22	23	22	22	22	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	898.4	898.4	898.4	898.4	898.4
2.5°	898.4	897.5	895.8	898.4	900.1
5°	894.9	894.1	893.2	897.5	899.3
7.5°	888.9	888.9	889.8	894.1	895.8
10°	880.2	881.1	882.8	889.8	891.5
12.5°	869.9	871.6	875.9	883.7	887.2
15°	857.8	859.5	865.5	875.9	880.2
17.5°	842.2	845.7	854.3	866.4	870.7
20°	824.9	829.2	840.5	854.3	859.5
22.5°	805.9	810.2	824.9	839.6	844.8
25°	785.1	790.3	805.9	822.3	829.2
27.5°	762.6	768.7	786.0	803.3	810.2
30°	737.6	744.5	762.6	780.8	786.9
32.5°	710.8	717.7	738.4	755.7	761.8
35°	684.0	690.0	710.8	728.9	733.2
37.5°	653.7	660.6	683.1	698.7	704.7
40°	624.3	631.2	651.1	666.7	671.9
42.5°	592.3	599.2	619.1	633.8	638.1
45°	558.6	566.4	584.5	599.2	602.7
47.5°	524.9	530.9	549.9	562.9	565.5
50°	489.4	495.5	512.8	525.7	528.3
52.5°	452.2	461.7	475.6	485.1	496.3
55°	416.8	421.1	435.8	454.0	448.8
57.5°	381.3	383.9	396.0	403.8	405.5
60°	342.4	345.9	355.4	359.7	364.0
62.5°	301.8	304.4	315.6	319.9	321.7
65°	262.9	265.5	271.5	275.8	276.7
67.5°	223.1	225.7	230.9	234.3	249.9
70°	186.8	188.5	191.1	198.0	193.7
72.5°	152.2	153.0	155.6	155.6	156.5
75°	119.3	120.2	121.1	120.2	121.9
77.5°	89.1	90.8	91.7	90.8	89.9
80°	64.0	65.7	64.9	63.1	63.1
82.5°	41.5	42.4	41.5	40.6	40.6
85°	21.6	23.3	22.5	21.6	21.6
87.5°	7.8	8.6	9.5	10.4	10.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)