

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: P257285

Luminaire Tested: **D3X-WD-31L930-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257285
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-31L930-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH ROUND PERF
Light Source: (126) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2433.6 lumens
Efficiency: N/A
Efficacy: 91.5 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

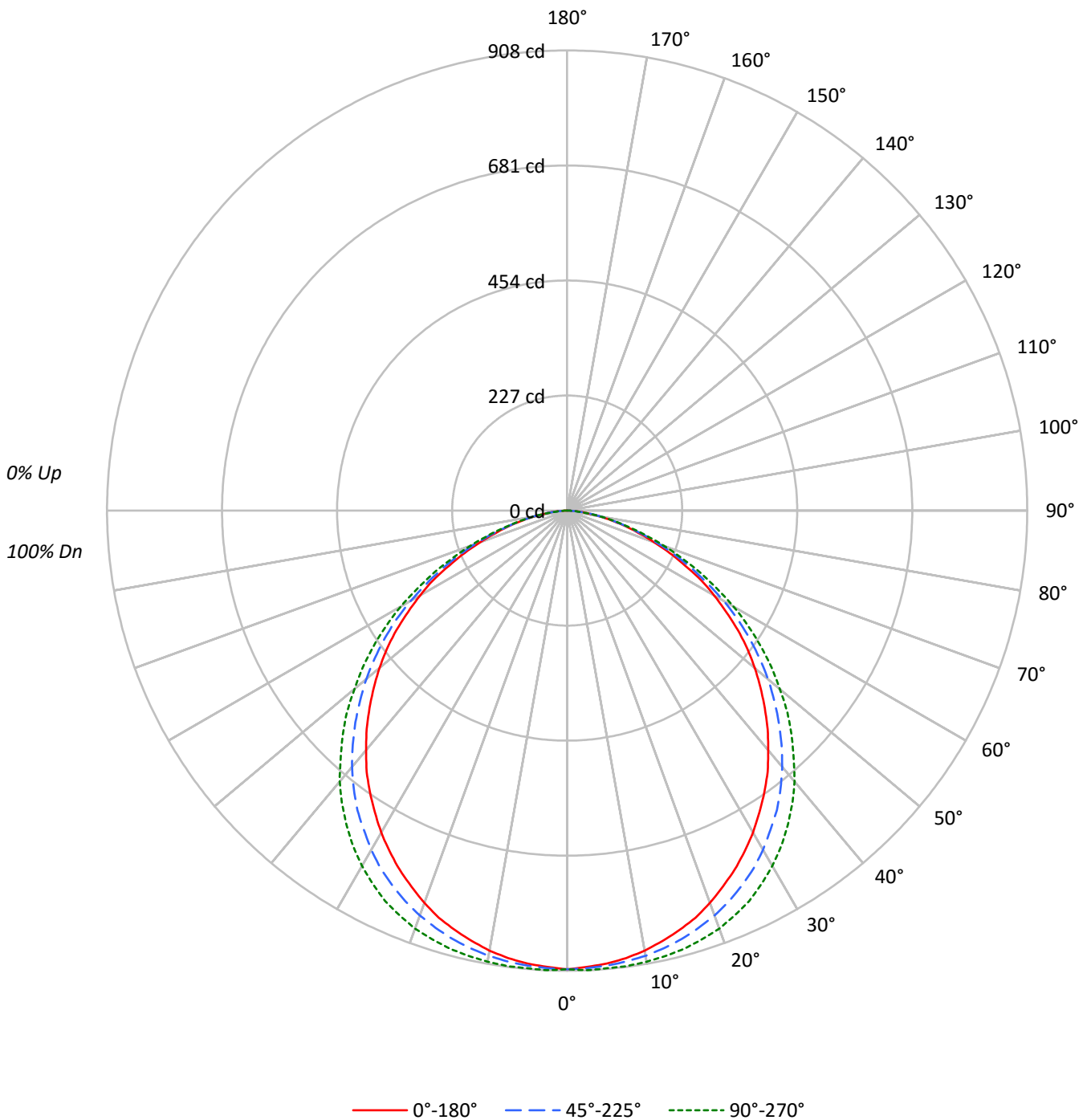
Input Watts (W): 26.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2436	2436	2436
5°	2424	2434	2448
10°	2409	2437	2470
15°	2387	2438	2493
20°	2359	2434	2513
25°	2322	2423	2524
30°	2279	2401	2515
35°	2229	2371	2491
40°	2167	2319	2453
45°	2099	2248	2383
50°	2023	2166	2292
55°	1930	2059	2188
60°	1805	1918	2045
65°	1635	1735	1843
70°	1443	1515	1597
75°	1239	1266	1321
80°	995	1015	1035
85°	729	648	648



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	3.5
10°-20°	247.1	10.2
20°-30°	375.8	15.4
30°-40°	449.6	18.5
40°-50°	454.6	18.7
50°-60°	391.2	16.1
60°-70°	270.1	11.1
70°-80°	131.0	5.4
80°-90°	28.4	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°	708.7	29.1
0°-40°	1158.3	47.6
0°-60°	2004.1	82.4
0°-90°	2433.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2433.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	905	905	905	905	905	
5°	897	899	901	905	906	85
15°	857	862	875	888	895	242
25°	782	791	816	841	850	360
35°	678	690	722	748	758	424
45°	552	562	591	616	626	425
55°	411	418	439	458	466	367
65°	257	261	272	284	290	255
75°	119	117	122	126	127	127
85°	24	24	21	21	21	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	905.1	905.1	905.1	905.1	905.1
2.5°	901.2	901.2	903.8	906.4	907.8
5°	897.3	898.6	901.2	905.1	906.4
7.5°	890.7	892.0	897.3	903.8	906.4
10°	881.6	884.2	892.0	899.9	903.8
12.5°	869.8	875.0	884.2	894.7	899.9
15°	856.7	861.9	875.0	888.1	894.7
17.5°	842.3	847.5	863.2	880.2	886.8
20°	823.9	831.8	850.1	869.8	877.6
22.5°	803.0	813.4	834.4	855.4	864.5
25°	782.0	791.2	816.1	840.9	850.1
27.5°	758.4	768.9	796.4	821.3	830.5
30°	733.5	744.0	772.8	800.3	809.5
32.5°	706.0	719.1	746.6	775.5	785.9
35°	678.5	690.3	721.7	747.9	758.4
37.5°	649.7	660.2	691.6	719.1	729.6
40°	617.0	628.7	660.2	687.7	698.2
42.5°	585.5	597.3	626.1	652.3	661.5
45°	551.5	561.9	590.8	615.6	626.1
47.5°	517.4	529.2	554.1	579.0	589.5
50°	483.3	492.5	517.4	541.0	547.5
52.5°	448.0	455.8	478.1	499.1	508.2
55°	411.3	417.9	438.8	458.5	466.3
57.5°	372.0	379.9	399.5	413.9	423.1
60°	335.3	339.3	356.3	370.7	379.9
62.5°	298.7	300.0	313.1	327.5	332.7
65°	256.7	260.7	272.5	284.2	289.5
67.5°	218.8	222.7	231.9	241.0	244.9
70°	183.4	183.4	192.6	199.1	203.0
72.5°	148.0	149.3	155.9	159.8	163.7
75°	119.2	116.6	121.8	125.7	127.1
77.5°	89.1	87.8	91.7	93.0	95.6
80°	64.2	64.2	65.5	66.8	66.8
82.5°	41.9	41.9	43.2	40.6	39.3
85°	23.6	23.6	21.0	21.0	21.0
87.5°	7.9	7.9	7.9	9.2	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)