

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: P257402

Luminaire Tested: **D3X-WG-25L930-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257402
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-25L930-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (126) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1988.6 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

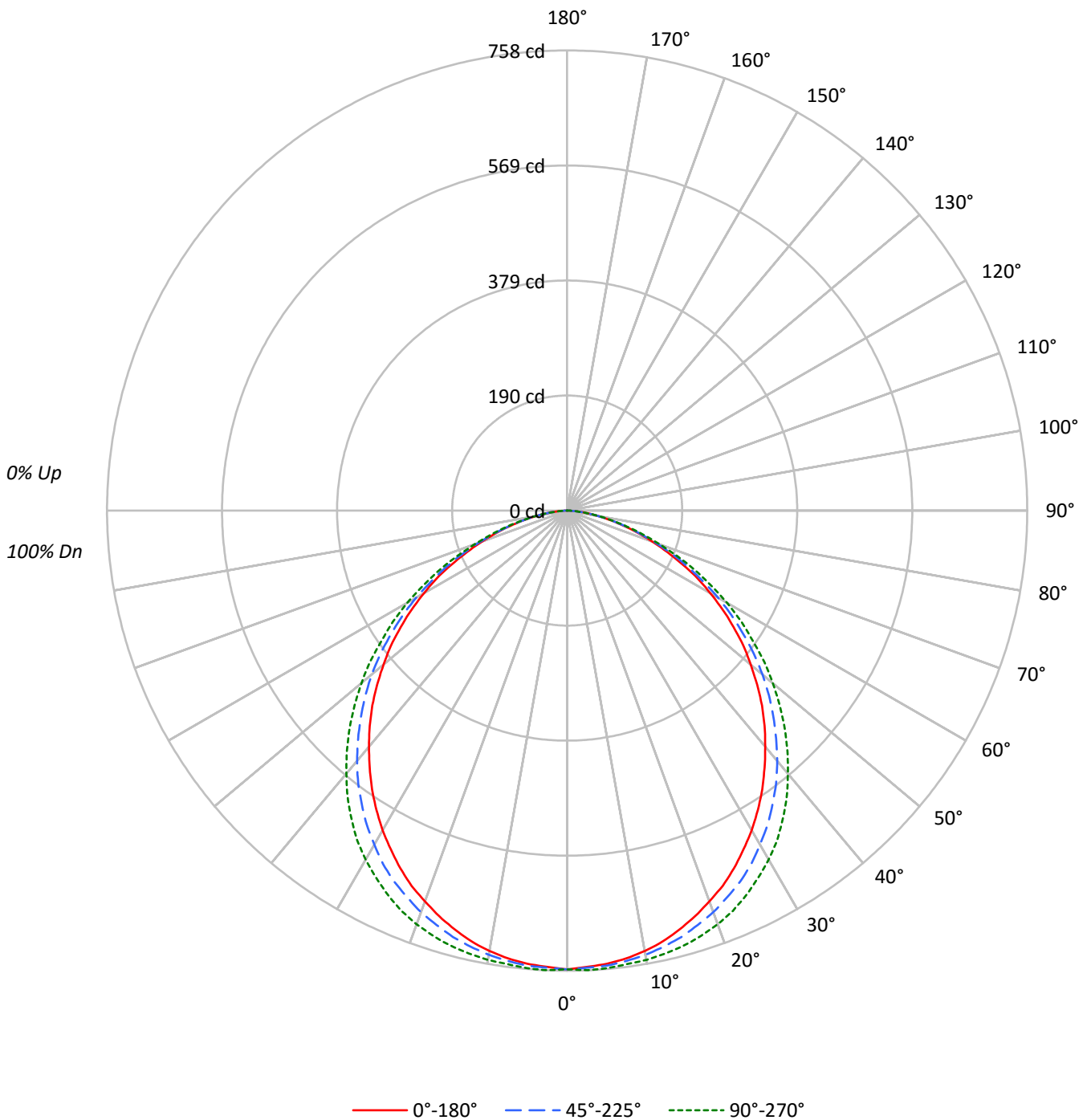
Input Watts (W): 20.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2034	2034	2034
5°	2024	2033	2044
10°	2013	2030	2053
15°	1991	2026	2067
20°	1962	2016	2076
25°	1931	2002	2075
30°	1889	1974	2063
35°	1841	1938	2035
40°	1783	1891	1987
45°	1727	1827	1928
50°	1652	1759	1851
55°	1570	1659	1748
60°	1466	1545	1636
65°	1337	1398	1479
70°	1171	1221	1271
75°	998	1021	1065
80°	801	818	834
85°	587	553	522



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	3.6
10°-20°	205.3	10.3
20°-30°	310.4	15.6
30°-40°	368.7	18.5
40°-50°	370.1	18.6
50°-60°	316.1	15.9
60°-70°	217.8	11.0
70°-80°	105.6	5.3
80°-90°	23.1	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°	587.2	29.5
0°-40°	955.8	48.1
0°-60°	1642.1	82.6
0°-90°	1988.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1988.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	756	756	756	756	756	
5°	749	749	752	755	757	71
15°	714	718	727	737	742	201
25°	650	655	674	692	699	299
35°	560	569	590	612	620	350
45°	454	460	480	500	507	349
55°	335	340	354	368	373	299
65°	210	210	220	229	232	208
75°	96	94	98	100	102	103
85°	19	19	18	17	17	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	755.7	755.7	755.7	755.7	755.7
2.5°	752.5	752.5	753.6	756.8	757.8
5°	749.4	749.4	752.5	754.7	756.8
7.5°	744.1	745.2	748.3	752.5	753.6
10°	736.7	737.8	743.0	748.3	751.5
12.5°	727.2	729.3	735.7	744.1	747.3
15°	714.5	717.7	727.2	736.7	742.0
17.5°	700.8	705.0	715.6	729.3	734.6
20°	685.0	690.3	704.0	718.8	725.1
22.5°	669.2	673.4	689.2	706.1	713.5
25°	650.2	655.4	674.4	692.4	698.7
27.5°	629.1	636.4	656.5	675.5	681.8
30°	607.9	614.3	635.4	656.5	663.9
32.5°	584.7	591.1	614.3	635.4	643.8
35°	560.4	568.9	590.0	612.2	619.6
37.5°	534.1	543.6	565.7	584.7	594.2
40°	507.7	516.1	538.3	558.3	565.7
42.5°	481.3	488.7	509.8	530.9	537.2
45°	453.8	460.2	480.2	500.3	506.6
47.5°	424.3	431.7	450.7	467.6	475.0
50°	394.7	402.1	420.1	435.9	442.2
52.5°	366.2	370.5	387.4	402.1	409.5
55°	334.6	339.9	353.6	368.4	372.6
57.5°	304.0	307.1	320.9	333.5	339.9
60°	272.3	274.4	287.1	296.6	304.0
62.5°	242.8	242.8	252.3	262.8	267.0
65°	210.0	210.0	219.5	229.0	232.2
67.5°	178.4	180.5	186.8	194.2	196.3
70°	148.8	148.8	155.2	160.4	161.5
72.5°	122.4	121.4	124.5	128.8	130.9
75°	96.0	93.9	98.2	100.3	102.4
77.5°	72.8	71.8	73.9	76.0	76.0
80°	51.7	50.7	52.8	52.8	53.8
82.5°	33.8	34.8	34.8	33.8	32.7
85°	19.0	19.0	17.9	16.9	16.9
87.5°	6.3	6.3	6.3	7.4	7.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)