

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: P257399

Luminaire Tested: **D3X-WG-25L830-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257399
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-25L830-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (126) 3000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2338.0 lumens
Efficiency: N/A
Efficacy: 111.9 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

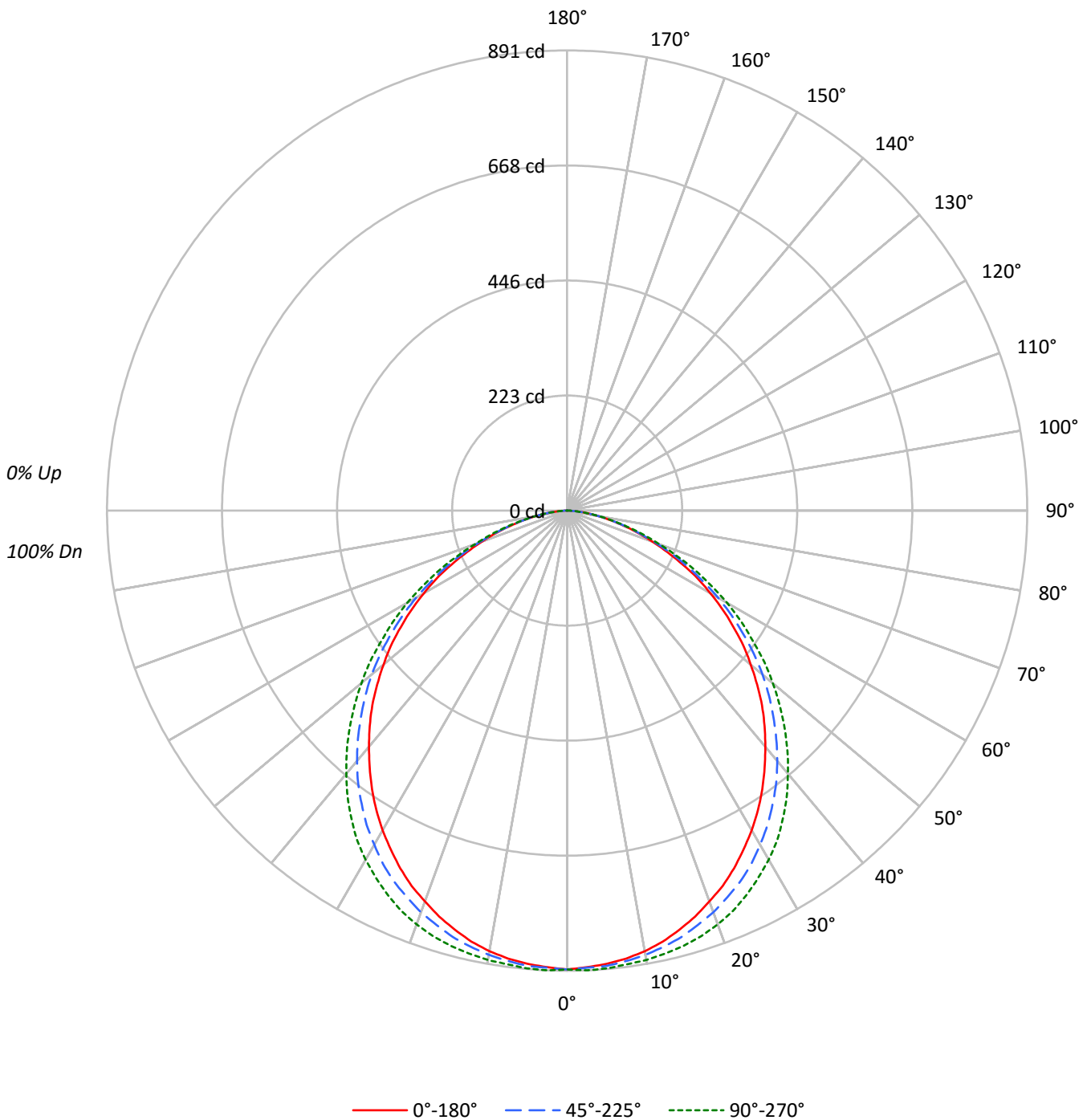
Input Watts (W): 20.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2391	2391	2391
5°	2380	2390	2403
10°	2367	2387	2414
15°	2340	2382	2430
20°	2306	2370	2441
25°	2270	2354	2439
30°	2221	2321	2425
35°	2165	2279	2393
40°	2097	2223	2336
45°	2031	2149	2267
50°	1943	2068	2177
55°	1846	1950	2055
60°	1723	1816	1924
65°	1572	1643	1738
70°	1377	1435	1494
75°	1174	1200	1252
80°	942	961	981
85°	689	651	614



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	3.6
10°-20°	241.4	10.3
20°-30°	364.9	15.6
30°-40°	433.4	18.5
40°-50°	435.1	18.6
50°-60°	371.7	15.9
60°-70°	256.1	11.0
70°-80°	124.2	5.3
80°-90°	27.2	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°	690.4	29.5
0°-40°	1123.8	48.1
0°-60°	1930.6	82.6
0°-90°	2338.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2338.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	888	888	888	888	888	
5°	881	881	885	887	890	84
15°	840	844	855	866	872	237
25°	764	771	793	814	822	352
35°	659	669	694	720	728	412
45°	534	541	565	588	596	411
55°	393	400	416	433	438	352
65°	247	247	258	269	273	245
75°	113	110	115	118	120	121
85°	22	22	21	20	20	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	888.5	888.5	888.5	888.5	888.5
2.5°	884.8	884.8	886.0	889.7	891.0
5°	881.1	881.1	884.8	887.3	889.7
7.5°	874.9	876.1	879.8	884.8	886.0
10°	866.2	867.4	873.6	879.8	883.5
12.5°	855.0	857.5	864.9	874.9	878.6
15°	840.1	843.8	855.0	866.2	872.4
17.5°	824.0	828.9	841.3	857.5	863.7
20°	805.4	811.6	827.7	845.1	852.5
22.5°	786.7	791.7	810.3	830.2	838.9
25°	764.4	770.6	792.9	814.0	821.5
27.5°	739.6	748.3	771.9	794.2	801.6
30°	714.8	722.2	747.0	771.9	780.5
32.5°	687.5	694.9	722.2	747.0	757.0
35°	658.9	668.9	693.7	719.7	728.4
37.5°	627.9	639.1	665.1	687.5	698.6
40°	596.9	606.8	632.9	656.4	665.1
42.5°	565.9	574.5	599.4	624.2	631.6
45°	533.6	541.0	564.6	588.2	595.6
47.5°	498.9	507.5	529.9	549.7	558.4
50°	464.1	472.8	493.9	512.5	519.9
52.5°	430.6	435.6	455.4	472.8	481.5
55°	393.4	399.6	415.7	433.1	438.0
57.5°	357.4	361.1	377.2	392.1	399.6
60°	320.2	322.6	337.5	348.7	357.4
62.5°	285.4	285.4	296.6	309.0	314.0
65°	246.9	246.9	258.1	269.3	273.0
67.5°	209.7	212.2	219.6	228.3	230.8
70°	175.0	175.0	182.4	188.6	189.9
72.5°	143.9	142.7	146.4	151.4	153.9
75°	112.9	110.4	115.4	117.9	120.4
77.5°	85.6	84.4	86.9	89.3	89.3
80°	60.8	59.6	62.0	62.0	63.3
82.5°	39.7	41.0	41.0	39.7	38.5
85°	22.3	22.3	21.1	19.9	19.9
87.5°	7.4	7.4	7.4	8.7	8.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)