

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P995488

Luminaire Tested: 22D3X-LP-WD-25-L830.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-1)
Test Lab: INNOVATION CENTER
Issue Date: 12/20/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22D3X-LP-WD-25-L830.ies
Description: 2x2 D3X-LP AT 2500LM 3000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

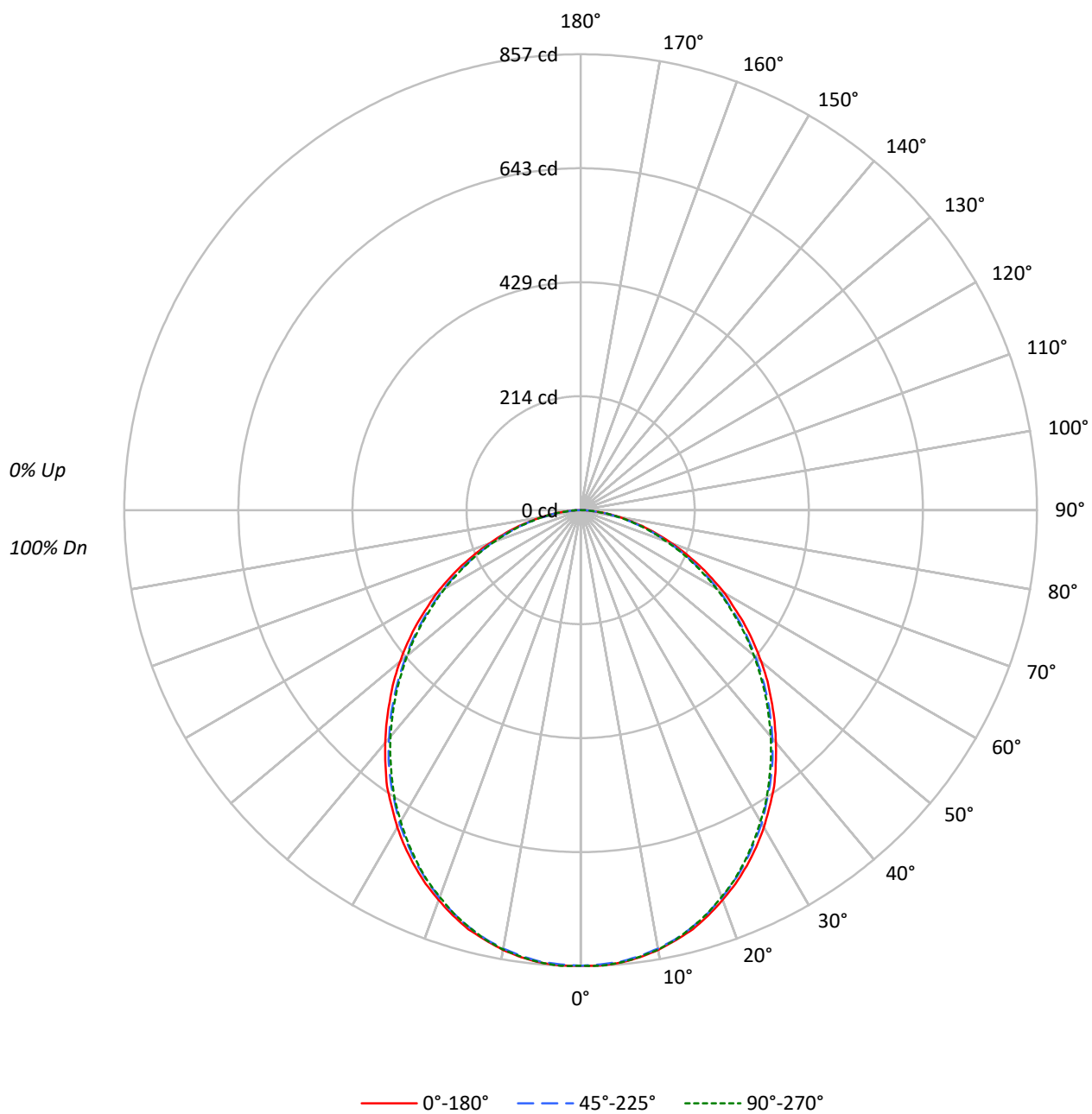
Lumens per Lamp: N/A
Luminaire Lumens: 2140.2 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.9
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: 24 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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	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	102	99	95	98	95	92	94	92	89	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	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	65	52	44	38	51	43	38	49	43	38	48	42	37	36		
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2305	2305	2305
5°	2307	2302	2307
10°	2294	2287	2291
15°	2272	2260	2260
20°	2233	2220	2216
25°	2191	2171	2163
30°	2139	2113	2099
35°	2082	2043	2029
40°	2005	1966	1951
45°	1928	1883	1867
50°	1853	1793	1778
55°	1769	1705	1681
60°	1680	1607	1584
65°	1564	1488	1472
70°	1430	1376	1342
75°	1304	1224	1233
80°	1124	1057	1071
85°	871	843	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1928 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.9	3.8
10°-20°	228.8	10.7
20°-30°	336.9	15.7
30°-40°	389.7	18.2
40°-50°	383.2	17.9
50°-60°	326.5	15.3
60°-70°	234.0	10.9
70°-80°	127.1	5.9
80°-90°	33.1	1.5
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°	646.6	30.2
0°-40°	1036.3	48.4
0°-60°	1746.0	81.6
0°-90°	2140.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2140.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	856	856	856	856	856	
5°	854	852	852	852	854	81
15°	816	812	811	810	811	230
25°	738	734	731	729	728	340
35°	634	629	622	618	618	395
45°	507	503	495	490	490	391
55°	377	370	363	359	358	337
65°	246	241	234	231	231	243
75°	125	121	118	116	119	132
85°	28	28	27	26	26	34
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	856.5	856.5	856.5	856.5	856.5
2.5°	856.5	855.6	854.7	855.6	857.3
5°	853.9	852.2	852.2	852.2	853.9
7.5°	847.9	846.2	845.4	846.2	847.1
10°	839.4	837.7	836.8	837.7	838.5
12.5°	827.5	826.6	825.7	825.7	826.6
15°	815.5	812.1	811.2	810.4	811.2
17.5°	798.4	797.6	794.2	794.2	794.2
20°	779.7	778.0	775.4	773.7	773.7
22.5°	760.1	758.4	754.1	752.4	753.2
25°	737.9	734.5	731.1	729.4	728.5
27.5°	714.0	710.6	705.5	702.9	702.9
30°	688.4	685.8	679.9	676.5	675.6
32.5°	660.3	658.5	650.0	648.3	648.3
35°	633.8	628.7	621.9	618.5	617.6
37.5°	602.2	598.8	592.0	587.7	586.9
40°	570.7	566.4	559.6	556.2	555.3
42.5°	539.1	534.9	528.0	523.8	522.9
45°	506.7	503.3	494.8	490.5	490.5
47.5°	476.0	469.2	461.5	458.1	457.2
50°	442.7	436.8	428.2	424.8	424.8
52.5°	409.5	405.2	395.8	394.1	392.4
55°	377.0	370.2	363.4	359.1	358.3
57.5°	342.1	336.1	329.3	325.9	325.9
60°	312.2	304.5	298.6	294.3	294.3
62.5°	278.1	271.3	265.3	262.7	261.9
65°	245.7	240.6	233.7	231.2	231.2
67.5°	213.3	209.0	203.0	200.5	201.3
70°	181.7	179.1	174.9	171.5	170.6
72.5°	152.7	149.3	145.0	144.2	144.2
75°	125.4	121.1	117.7	116.0	118.6
77.5°	97.2	94.7	93.0	92.1	93.0
80°	72.5	69.1	68.2	69.1	69.1
82.5°	50.3	48.6	47.8	47.8	47.8
85°	28.2	28.2	27.3	26.4	25.6
87.5°	11.1	11.1	11.9	11.9	12.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)