

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: P995489

Luminaire Tested: 22D3X-LP-WD-25-L835.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995489
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-L835.ies
Description: 2x2 D3X-LP AT 2500LM 3500K 80CRI
Light Source: -
Ballast/Driver: -

Summary

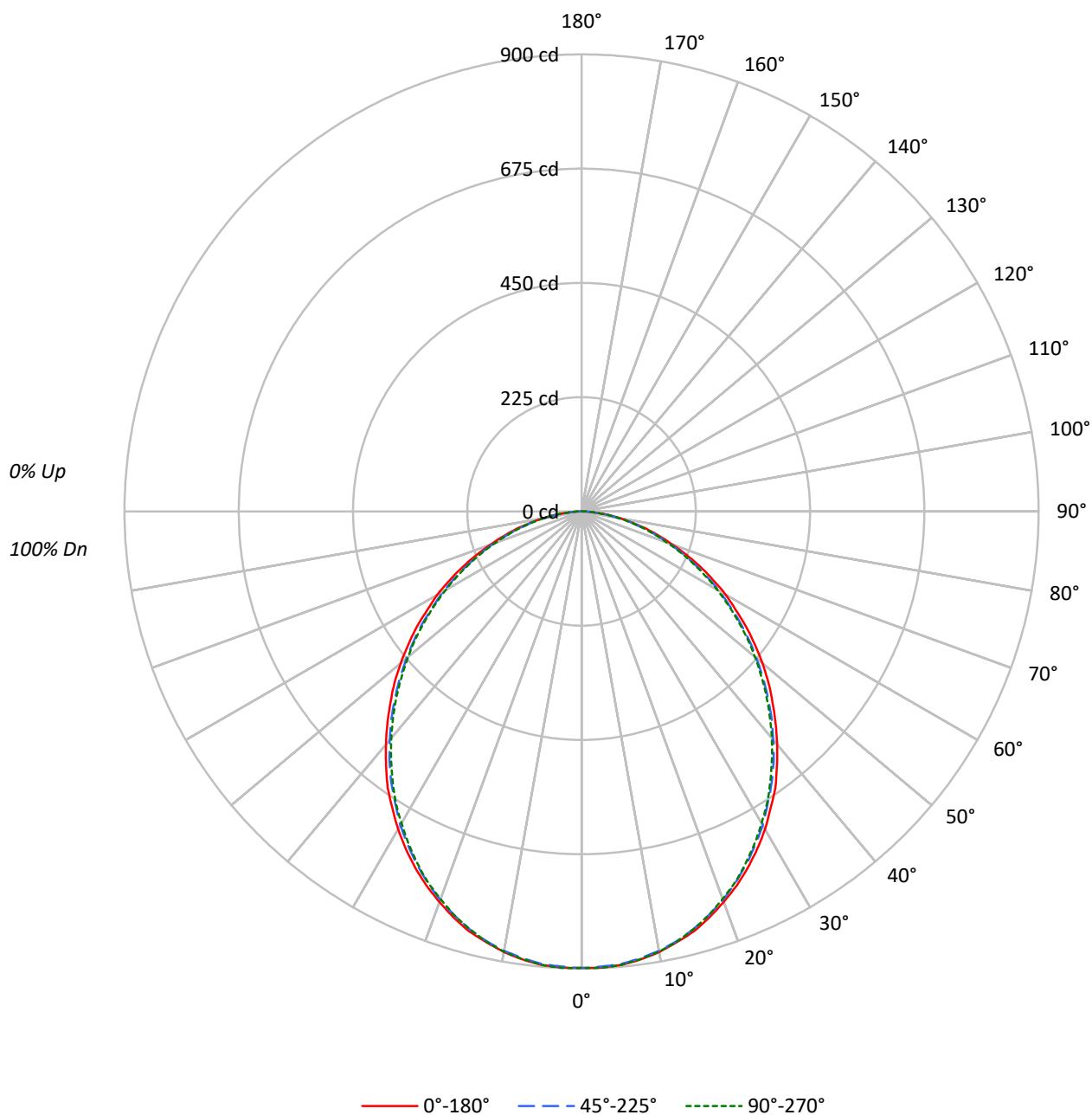
Lumens per Lamp: N/A
Luminaire Lumens: 2246.4 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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		100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85		85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71		71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45		45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36		36
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32		32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29		29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2419	2419	2419
5°	2421	2416	2421
10°	2407	2400	2405
15°	2385	2372	2372
20°	2344	2331	2326
25°	2300	2278	2270
30°	2245	2217	2203
35°	2186	2144	2129
40°	2104	2063	2048
45°	2024	1976	1959
50°	1945	1882	1867
55°	1857	1789	1765
60°	1764	1687	1662
65°	1642	1562	1545
70°	1500	1445	1409
75°	1368	1285	1294
80°	1179	1110	1124
85°	911	886	831

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2024 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.9	3.8
10°-20°	240.1	10.7
20°-30°	353.6	15.7
30°-40°	409.1	18.2
40°-50°	402.2	17.9
50°-60°	342.7	15.3
60°-70°	245.6	10.9
70°-80°	133.4	5.9
80°-90°	34.8	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°	678.6	30.2
0°-40°	1087.7	48.4
0°-60°	1832.7	81.6
0°-90°	2246.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2246.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	899	899	899	899	899	
5°	896	894	894	894	896	85
15°	856	852	852	851	852	241
25°	774	771	767	766	765	357
35°	665	660	653	649	648	415
45°	532	528	519	515	515	411
55°	396	389	381	377	376	353
65°	258	252	245	243	243	255
75°	132	127	124	122	124	139
85°	30	30	29	28	27	36
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	899.0	899.0	899.0	899.0	899.0
2.5°	899.0	898.1	897.2	898.1	899.8
5°	896.3	894.5	894.5	894.5	896.3
7.5°	890.0	888.2	887.3	888.2	889.1
10°	881.0	879.3	878.4	879.3	880.2
12.5°	868.5	867.6	866.7	866.7	867.6
15°	856.0	852.4	851.5	850.6	851.5
17.5°	838.1	837.2	833.6	833.6	833.6
20°	818.4	816.6	813.9	812.1	812.1
22.5°	797.8	796.0	791.5	789.7	790.6
25°	774.5	770.9	767.3	765.5	764.6
27.5°	749.4	745.8	740.5	737.8	737.8
30°	722.6	719.9	713.6	710.0	709.1
32.5°	693.0	691.2	682.3	680.5	680.5
35°	665.3	659.9	652.7	649.1	648.2
37.5°	632.1	628.6	621.4	616.9	616.0
40°	599.0	594.5	587.4	583.8	582.9
42.5°	565.9	561.4	554.2	549.8	548.9
45°	531.9	528.3	519.3	514.8	514.8
47.5°	499.6	492.5	484.4	480.8	479.9
50°	464.7	458.4	449.5	445.9	445.9
52.5°	429.8	425.3	415.5	413.7	411.9
55°	395.8	388.6	381.4	377.0	376.1
57.5°	359.0	352.8	345.6	342.0	342.0
60°	327.7	319.6	313.4	308.9	308.9
62.5°	291.9	284.7	278.5	275.8	274.9
65°	257.9	252.5	245.3	242.6	242.6
67.5°	223.8	219.4	213.1	210.4	211.3
70°	190.7	188.0	183.6	180.0	179.1
72.5°	160.3	156.7	152.2	151.3	151.3
75°	131.6	127.1	123.6	121.8	124.5
77.5°	102.1	99.4	97.6	96.7	97.6
80°	76.1	72.5	71.6	72.5	72.5
82.5°	52.8	51.0	50.1	50.1	50.1
85°	29.5	29.5	28.7	27.8	26.9
87.5°	11.6	11.6	12.5	12.5	13.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)