

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: P995490

Luminaire Tested: 22D3X-LP-WD-25-L840.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995490
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-L840.ies
Description: 2x2 D3X-LP AT 2500LM 4000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

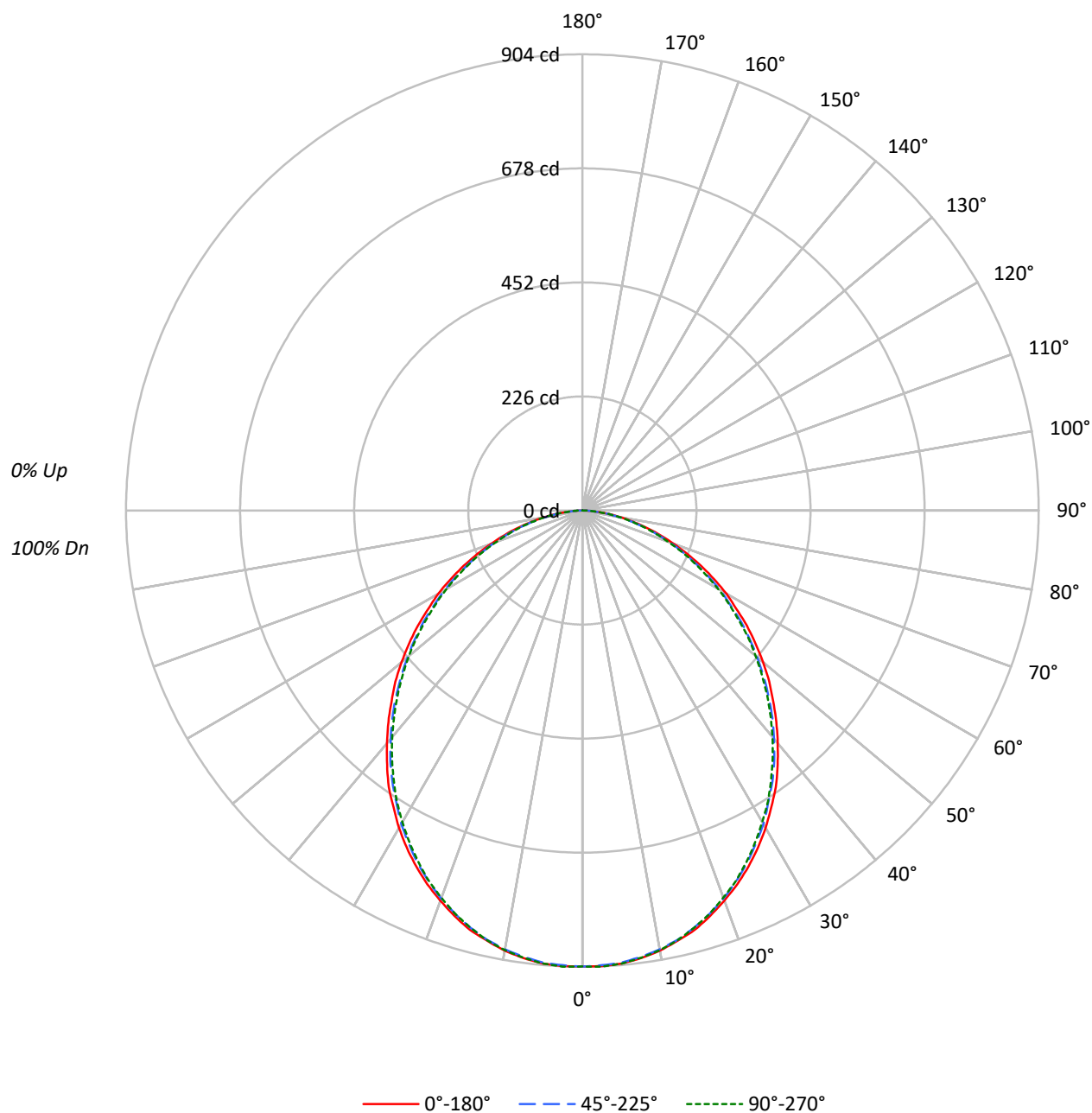
Lumens per Lamp: N/A
Luminaire Lumens: 2258.0 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	2432	2432	2432
5°	2434	2429	2434
10°	2420	2413	2417
15°	2397	2384	2384
20°	2356	2343	2338
25°	2311	2290	2282
30°	2257	2229	2215
35°	2197	2155	2141
40°	2115	2074	2058
45°	2034	1987	1969
50°	1955	1891	1876
55°	1866	1799	1773
60°	1773	1695	1671
65°	1650	1570	1553
70°	1508	1452	1416
75°	1376	1291	1301
80°	1185	1116	1130
85°	917	889	834

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2034 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.4	3.8
10°-20°	241.3	10.7
20°-30°	355.5	15.7
30°-40°	411.2	18.2
40°-50°	404.3	17.9
50°-60°	344.5	15.3
60°-70°	246.9	10.9
70°-80°	134.1	5.9
80°-90°	35.0	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°	682.2	30.2
0°-40°	1093.4	48.4
0°-60°	1842.1	81.6
0°-90°	2258.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2258.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	904	904	904	904	904	
5°	901	899	899	899	901	85
15°	860	857	856	855	856	242
25°	778	775	771	770	769	358
35°	669	663	656	652	652	417
45°	535	531	522	518	518	413
55°	398	391	383	379	378	355
65°	259	254	247	244	244	257
75°	132	128	124	122	125	140
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°	903.6	903.6	903.6	903.6	903.6
2.5°	903.6	902.7	901.8	902.7	904.5
5°	900.9	899.1	899.1	899.1	900.9
7.5°	894.6	892.8	891.9	892.8	893.7
10°	885.6	883.8	882.9	883.8	884.7
12.5°	873.0	872.1	871.2	871.2	872.1
15°	860.4	856.8	855.9	855.0	855.9
17.5°	842.4	841.5	837.9	837.9	837.9
20°	822.6	820.8	818.1	816.3	816.3
22.5°	801.9	800.1	795.6	793.8	794.7
25°	778.5	774.9	771.3	769.5	768.6
27.5°	753.3	749.7	744.3	741.6	741.6
30°	726.3	723.6	717.3	713.7	712.8
32.5°	696.6	694.8	685.8	684.0	684.0
35°	668.7	663.3	656.1	652.5	651.6
37.5°	635.4	631.8	624.6	620.1	619.2
40°	602.1	597.6	590.4	586.8	585.9
42.5°	568.8	564.3	557.1	552.6	551.7
45°	534.6	531.0	522.0	517.5	517.5
47.5°	502.2	495.0	486.9	483.3	482.4
50°	467.1	460.8	451.8	448.2	448.2
52.5°	432.0	427.5	417.6	415.8	414.0
55°	397.8	390.6	383.4	378.9	378.0
57.5°	360.9	354.6	347.4	343.8	343.8
60°	329.4	321.3	315.0	310.5	310.5
62.5°	293.4	286.2	279.9	277.2	276.3
65°	259.2	253.8	246.6	243.9	243.9
67.5°	225.0	220.5	214.2	211.5	212.4
70°	191.7	189.0	184.5	180.9	180.0
72.5°	161.1	157.5	153.0	152.1	152.1
75°	132.3	127.8	124.2	122.4	125.1
77.5°	102.6	99.9	98.1	97.2	98.1
80°	76.5	72.9	72.0	72.9	72.9
82.5°	53.1	51.3	50.4	50.4	50.4
85°	29.7	29.7	28.8	27.9	27.0
87.5°	11.7	11.7	12.6	12.6	13.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)