

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: P995576

Luminaire Tested: 22D3X-LP-WD-80-L940.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995576
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-80-L940.ies
Description: 2x2 D3X-LP AT 8000LM 4000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

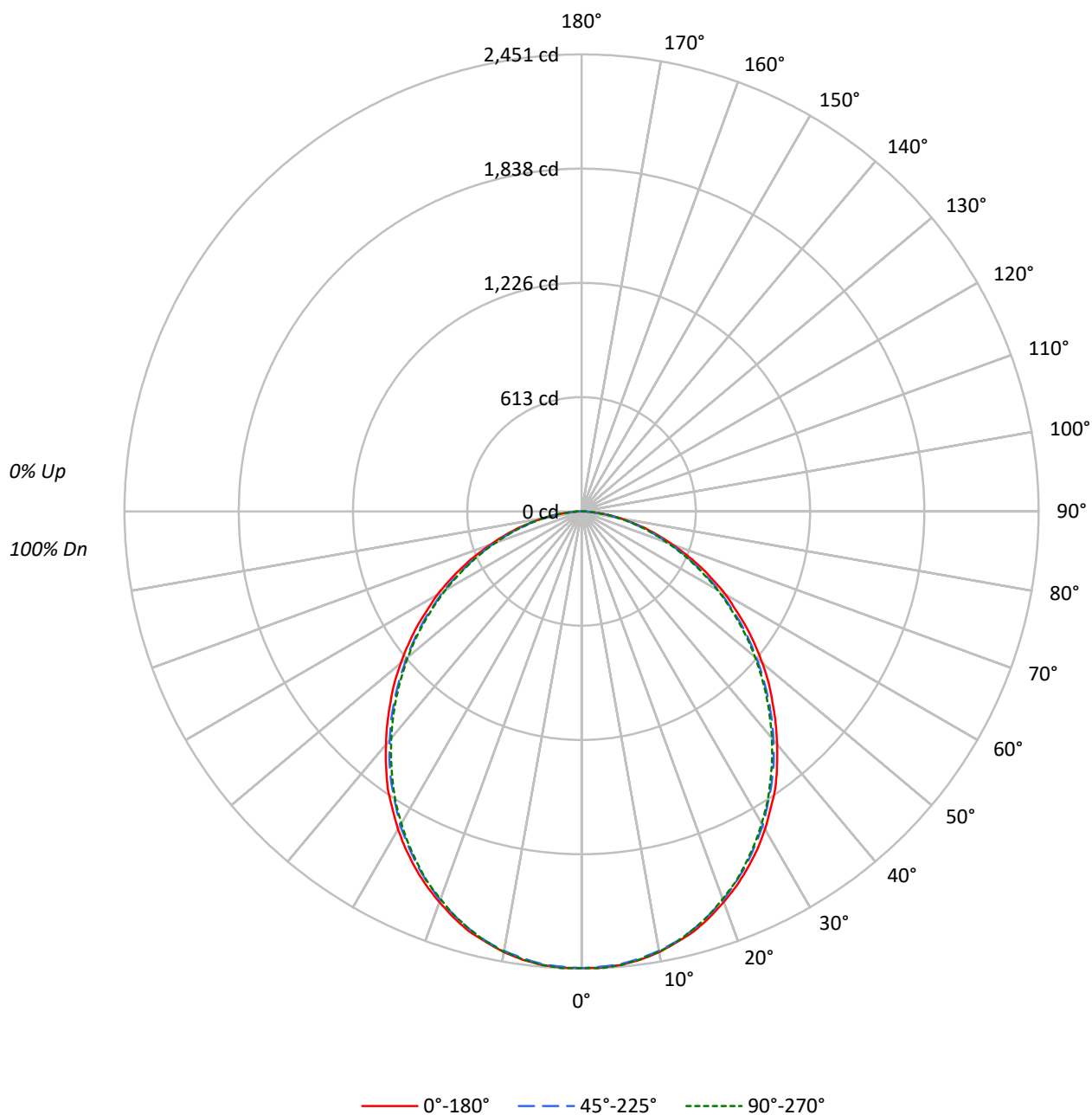
Lumens per Lamp: N/A
Luminaire Lumens: 6119.1 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 73.4
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°	6589	6589	6589
5°	6595	6582	6595
10°	6558	6538	6551
15°	6496	6462	6462
20°	6384	6349	6335
25°	6264	6206	6184
30°	6116	6040	6002
35°	5953	5841	5801
40°	5732	5621	5578
45°	5513	5383	5337
50°	5299	5126	5085
55°	5058	4875	4806
60°	4804	4594	4528
65°	4472	4255	4209
70°	4087	3934	3838
75°	3727	3500	3525
80°	3212	3023	3062
85°	2485	2408	2260

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5513 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.3	3.8
10°-20°	654.0	10.7
20°-30°	963.3	15.7
30°-40°	1114.3	18.2
40°-50°	1095.5	17.9
50°-60°	933.6	15.3
60°-70°	669.0	10.9
70°-80°	363.3	5.9
80°-90°	94.8	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°	1848.6	30.2
0°-40°	2962.9	48.4
0°-60°	4992.0	81.6
0°-90°	6119.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6119.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2449	2449	2449	2449	2449	
5°	2441	2436	2436	2436	2441	232
15°	2332	2322	2319	2317	2319	656
25°	2110	2100	2090	2085	2083	971
35°	1812	1798	1778	1768	1766	1130
45°	1449	1439	1415	1402	1402	1119
55°	1078	1058	1039	1027	1024	963
65°	702	688	668	661	661	696
75°	358	346	337	332	339	379
85°	80	80	78	76	73	98
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2448.7	2448.7	2448.7	2448.7	2448.7
2.5°	2448.7	2446.3	2443.8	2446.3	2451.2
5°	2441.4	2436.5	2436.5	2436.5	2441.4
7.5°	2424.3	2419.4	2417.0	2419.4	2421.9
10°	2399.9	2395.1	2392.6	2395.1	2397.5
12.5°	2365.8	2363.3	2360.9	2360.9	2363.3
15°	2331.6	2321.9	2319.4	2317.0	2319.4
17.5°	2282.9	2280.4	2270.7	2270.7	2270.7
20°	2229.2	2224.3	2217.0	2212.1	2212.1
22.5°	2173.1	2168.2	2156.0	2151.2	2153.6
25°	2109.7	2099.9	2090.2	2085.3	2082.9
27.5°	2041.4	2031.7	2017.0	2009.7	2009.7
30°	1968.2	1960.9	1943.8	1934.1	1931.7
32.5°	1887.8	1882.9	1858.5	1853.6	1853.6
35°	1812.1	1797.5	1778.0	1768.2	1765.8
37.5°	1721.9	1712.1	1692.6	1680.4	1678.0
40°	1631.7	1619.5	1600.0	1590.2	1587.8
42.5°	1541.4	1529.2	1509.7	1497.5	1495.1
45°	1448.7	1439.0	1414.6	1402.4	1402.4
47.5°	1360.9	1341.4	1319.5	1309.7	1307.3
50°	1265.8	1248.7	1224.4	1214.6	1214.6
52.5°	1170.7	1158.5	1131.7	1126.8	1121.9
55°	1078.0	1058.5	1039.0	1026.8	1024.4
57.5°	978.0	960.9	941.4	931.7	931.7
60°	892.7	870.7	853.6	841.4	841.4
62.5°	795.1	775.6	758.5	751.2	748.8
65°	702.4	687.8	668.3	661.0	661.0
67.5°	609.7	597.5	580.5	573.2	575.6
70°	519.5	512.2	500.0	490.2	487.8
72.5°	436.6	426.8	414.6	412.2	412.2
75°	358.5	346.3	336.6	331.7	339.0
77.5°	278.0	270.7	265.8	263.4	265.8
80°	207.3	197.6	195.1	197.6	197.6
82.5°	143.9	139.0	136.6	136.6	136.6
85°	80.5	80.5	78.0	75.6	73.2
87.5°	31.7	31.7	34.1	34.1	36.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)