

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: P#

Luminaire Tested: 14D3X-LP-WD-25-L840.ies

Issue Date: 2/27/2025

Test Information

Test Method: LM-79-2019
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P601206)
Test Lab: INNOVATION CENTER
Issue Date: 2/27/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 14D3X-LP-WD-25-L840.ies
Description: 1x4 D3X-LP ROUND PERF AT 2500lm 4000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2288.7 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

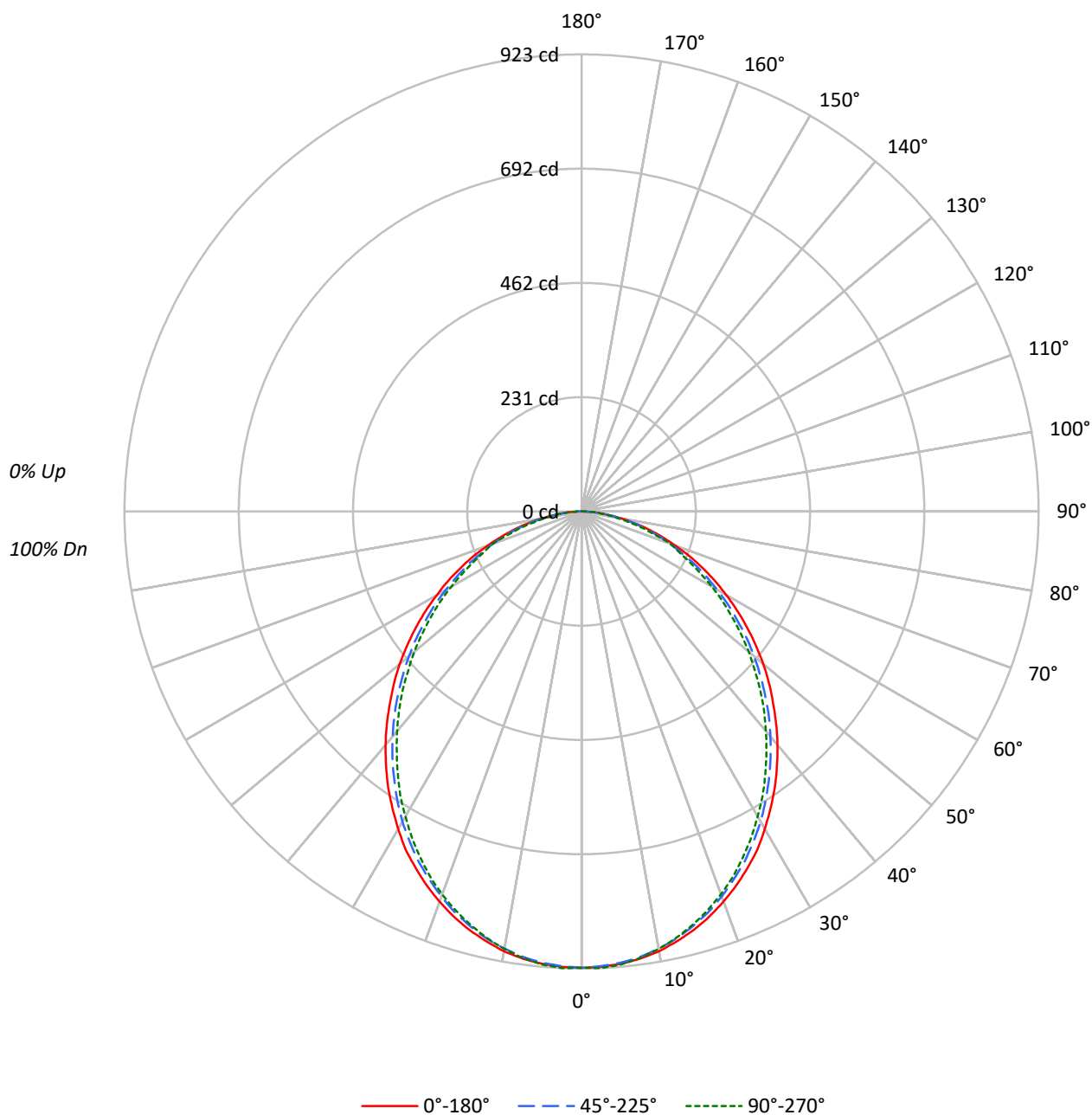
Input Watts (W): 27
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	65	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	45	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	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°	2480	2480	2480
5°	2477	2471	2481
10°	2465	2450	2452
15°	2438	2417	2409
20°	2401	2370	2357
25°	2357	2315	2289
30°	2300	2248	2210
35°	2236	2167	2125
40°	2163	2085	2035
45°	2081	1996	1944
50°	2006	1904	1844
55°	1914	1803	1740
60°	1814	1701	1635
65°	1710	1599	1526
70°	1581	1491	1507
75°	1457	1372	1302
80°	1269	1216	1091
85°	1065	1003	1003

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2081 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.9	3.8
10°-20°	244.9	10.7
20°-30°	359.4	15.7
30°-40°	413.9	18.1
40°-50°	406.3	17.8
50°-60°	346.4	15.1
60°-70°	250.6	10.9
70°-80°	140.9	6.2
80°-90°	39.4	1.7
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°	691.2	30.2
0°-40°	1105.1	48.3
0°-60°	1857.8	81.2
0°-90°	2288.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2288.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	922	922	922	922	922	
5°	917	918	915	918	918	87
15°	875	874	868	866	865	247
25°	794	788	780	774	771	365
35°	681	673	660	651	647	425
45°	547	540	524	514	511	423
55°	408	399	384	375	371	365
65°	269	261	251	242	240	267
75°	140	137	132	126	125	148
85°	34	36	32	32	32	40
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	921.7	921.7	921.7	921.7	921.7
2.5°	920.3	921.0	919.0	922.3	923.0
5°	916.9	917.6	914.9	917.6	918.3
7.5°	910.8	910.8	907.5	909.5	909.5
10°	902.0	900.7	896.6	897.3	897.3
12.5°	889.2	889.2	883.8	883.8	882.4
15°	875.0	873.6	867.5	866.2	864.8
17.5°	858.1	856.0	849.3	846.5	845.2
20°	838.4	835.0	827.6	824.2	822.9
22.5°	817.4	812.7	803.9	799.9	798.5
25°	793.8	787.7	779.6	773.5	770.8
27.5°	769.4	763.3	751.8	745.0	742.3
30°	740.3	734.2	723.4	715.3	711.2
32.5°	710.5	705.1	692.3	683.5	680.8
35°	680.8	672.6	659.8	651.0	646.9
37.5°	648.3	641.5	627.3	617.8	613.1
40°	615.8	609.0	593.5	583.3	579.3
42.5°	582.0	573.2	559.6	548.8	545.4
45°	546.8	540.0	524.4	514.3	510.9
47.5°	513.6	503.5	489.3	479.1	474.4
50°	479.1	469.6	454.7	443.9	440.5
52.5°	443.2	435.1	420.2	409.4	405.3
55°	408.0	399.3	384.4	374.9	370.8
57.5°	372.9	364.7	351.2	340.4	337.7
60°	337.0	329.6	316.0	307.2	303.8
62.5°	303.8	295.0	282.9	274.1	270.7
65°	268.6	261.2	251.1	241.6	239.6
67.5°	236.2	230.8	217.9	211.1	211.8
70°	201.0	201.0	189.5	182.7	191.5
72.5°	169.9	170.5	160.4	156.3	152.9
75°	140.1	137.4	132.0	126.5	125.2
77.5°	110.3	111.7	106.9	96.8	95.4
80°	81.9	89.3	78.5	71.7	70.4
82.5°	56.2	63.6	54.1	50.8	50.1
85°	34.5	35.9	32.5	32.5	32.5
87.5°	14.9	16.9	16.2	16.2	16.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)