

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-35-L927.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-35-L927.ies
Description: 1x4 D3X-LP ROUND PERF AT 3500lm 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2273.8 lumens
Efficiency: N/A
Efficacy: 60.2 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

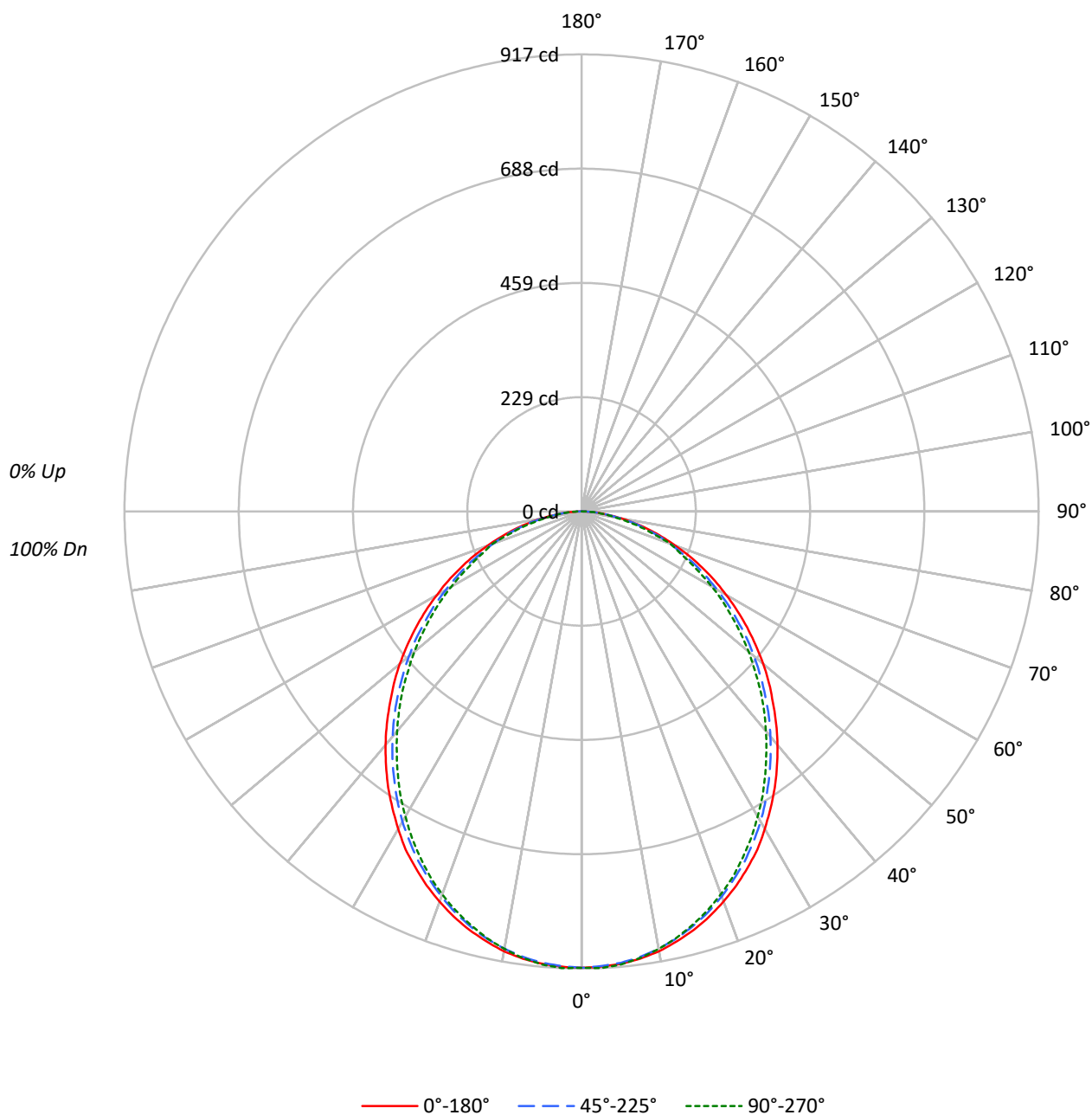
Input Watts (W): 37.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2464	2464	2464
5°	2461	2455	2464
10°	2449	2434	2436
15°	2422	2401	2394
20°	2385	2355	2341
25°	2341	2300	2274
30°	2285	2233	2196
35°	2222	2153	2111
40°	2149	2071	2022
45°	2067	1983	1932
50°	1993	1891	1832
55°	1902	1792	1728
60°	1802	1690	1625
65°	1699	1588	1515
70°	1571	1481	1497
75°	1447	1363	1293
80°	1260	1209	1083
85°	1059	997	997

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2067 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	3.8
10°-20°	243.3	10.7
20°-30°	357.0	15.7
30°-40°	411.2	18.1
40°-50°	403.7	17.8
50°-60°	344.2	15.1
60°-70°	249.0	10.9
70°-80°	140.0	6.2
80°-90°	39.1	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°	686.7	30.2
0°-40°	1097.9	48.3
0°-60°	1845.8	81.2
0°-90°	2273.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2273.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	916	916	916	916	916	
5°	911	912	909	912	912	86
15°	869	868	862	861	859	245
25°	789	783	774	768	766	363
35°	676	668	656	647	643	423
45°	543	536	521	511	508	420
55°	405	397	382	372	368	363
65°	267	260	249	240	238	265
75°	139	136	131	126	124	147
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°	915.7	915.7	915.7	915.7	915.7
2.5°	914.3	915.0	913.0	916.4	917.0
5°	911.0	911.6	909.0	911.6	912.3
7.5°	904.9	904.9	901.6	903.6	903.6
10°	896.2	894.8	890.8	891.5	891.5
12.5°	883.4	883.4	878.0	878.0	876.7
15°	869.3	867.9	861.9	860.6	859.2
17.5°	852.5	850.5	843.7	841.1	839.7
20°	833.0	829.6	822.2	818.9	817.5
22.5°	812.1	807.4	798.7	794.7	793.3
25°	788.6	782.6	774.5	768.4	765.8
27.5°	764.4	758.4	746.9	740.2	737.5
30°	735.5	729.5	718.7	710.6	706.6
32.5°	705.9	700.5	687.8	679.0	676.3
35°	676.3	668.3	655.5	646.8	642.7
37.5°	644.1	637.3	623.2	613.8	609.1
40°	611.8	605.1	589.6	579.5	575.5
42.5°	578.2	569.4	556.0	545.2	541.9
45°	543.2	536.5	521.0	511.0	507.6
47.5°	510.3	500.2	486.1	476.0	471.3
50°	476.0	466.6	451.8	441.0	437.7
52.5°	440.4	432.3	417.5	406.7	402.7
55°	405.4	396.7	381.9	372.5	368.4
57.5°	370.4	362.4	348.9	338.2	335.5
60°	334.8	327.4	314.0	305.2	301.9
62.5°	301.9	293.1	281.0	272.3	268.9
65°	266.9	259.5	249.4	240.0	238.0
67.5°	234.6	229.3	216.5	209.8	210.4
70°	199.7	199.7	188.2	181.5	190.3
72.5°	168.7	169.4	159.3	155.3	151.9
75°	139.2	136.5	131.1	125.7	124.4
77.5°	109.6	110.9	106.2	96.1	94.8
80°	81.3	88.7	78.0	71.3	69.9
82.5°	55.8	63.2	53.8	50.4	49.8
85°	34.3	35.6	32.3	32.3	32.3
87.5°	14.8	16.8	16.1	16.1	16.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)