

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-20-L835.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-20-L835.ies
Description: 1x4 D3X-LP ROUND PERF AT 2000lm 3500K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1923.3 lumens
Efficiency: N/A
Efficacy: 84.7 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

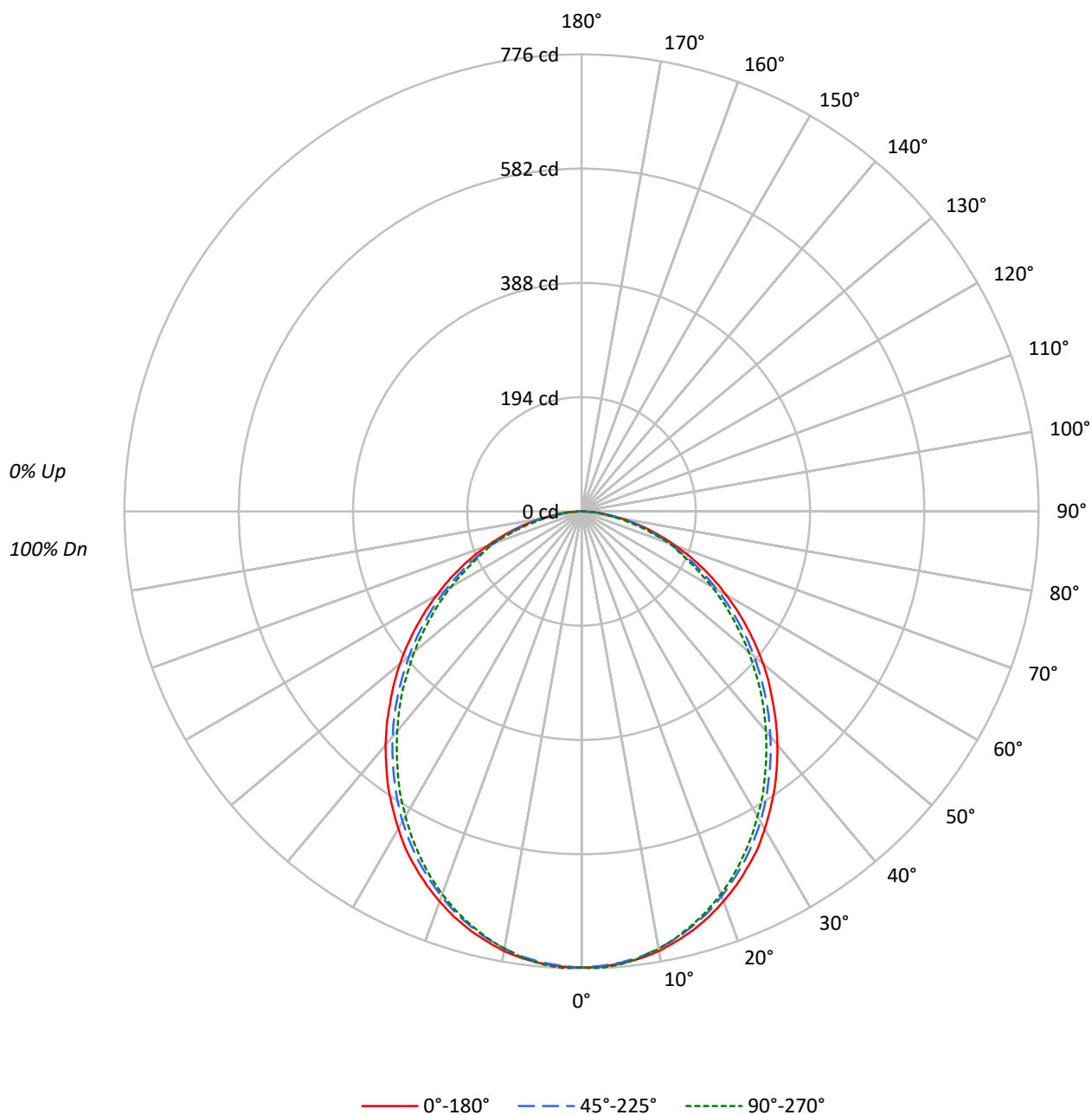
Input Watts (W): 22.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71		71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60		60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		45
6	71	58	49	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40		40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		32
9	58	45	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	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°	2084	2084	2084
5°	2081	2077	2085
10°	2071	2059	2060
15°	2048	2031	2025
20°	2018	1992	1980
25°	1980	1945	1923
30°	1933	1889	1857
35°	1879	1821	1786
40°	1818	1752	1710
45°	1749	1677	1634
50°	1685	1600	1550
55°	1609	1515	1462
60°	1524	1429	1374
65°	1438	1344	1282
70°	1329	1253	1266
75°	1224	1153	1094
80°	1066	1023	916
85°	895	843	843

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1749 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.1	3.8
10°-20°	205.8	10.7
20°-30°	302.0	15.7
30°-40°	347.8	18.1
40°-50°	341.4	17.8
50°-60°	291.1	15.1
60°-70°	210.6	10.9
70°-80°	118.4	6.2
80°-90°	33.1	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°	580.9	30.2
0°-40°	928.7	48.3
0°-60°	1561.2	81.2
0°-90°	1923.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1923.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	774	774	774	774	774	
5°	770	771	769	771	772	73
15°	735	734	729	728	727	207
25°	667	662	655	650	648	307
35°	572	565	554	547	544	357
45°	460	454	441	432	429	355
55°	343	336	323	315	312	307
65°	226	220	211	203	201	224
75°	118	115	111	106	105	124
85°	29	30	27	27	27	33
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	774.5	774.5	774.5	774.5	774.5
2.5°	773.4	773.9	772.2	775.1	775.7
5°	770.5	771.1	768.8	771.1	771.7
7.5°	765.4	765.4	762.6	764.3	764.3
10°	758.0	756.9	753.5	754.0	754.0
12.5°	747.2	747.2	742.7	742.7	741.5
15°	735.3	734.1	729.0	727.9	726.7
17.5°	721.1	719.4	713.7	711.4	710.3
20°	704.6	701.7	695.5	692.6	691.5
22.5°	686.9	683.0	675.6	672.2	671.0
25°	667.0	661.9	655.1	650.0	647.7
27.5°	646.6	641.4	631.8	626.1	623.8
30°	622.1	617.0	607.9	601.1	597.7
32.5°	597.1	592.5	581.7	574.3	572.1
35°	572.1	565.2	554.4	547.1	543.6
37.5°	544.8	539.1	527.1	519.2	515.2
40°	517.5	511.8	498.7	490.2	486.8
42.5°	489.0	481.7	470.3	461.2	458.3
45°	459.5	453.8	440.7	432.2	429.3
47.5°	431.6	423.1	411.1	402.6	398.6
50°	402.6	394.6	382.1	373.0	370.2
52.5°	372.5	365.6	353.1	344.0	340.6
55°	342.9	335.5	323.0	315.0	311.6
57.5°	313.3	306.5	295.1	286.0	283.8
60°	283.2	276.9	265.6	258.2	255.3
62.5°	255.3	247.9	237.7	230.3	227.5
65°	225.8	219.5	211.0	203.0	201.3
67.5°	198.5	193.9	183.1	177.4	178.0
70°	168.9	168.9	159.2	153.5	160.9
72.5°	142.7	143.3	134.8	131.4	128.5
75°	117.7	115.4	110.9	106.3	105.2
77.5°	92.7	93.8	89.8	81.3	80.2
80°	68.8	75.1	66.0	60.3	59.1
82.5°	47.2	53.5	45.5	42.6	42.1
85°	29.0	30.1	27.3	27.3	27.3
87.5°	12.5	14.2	13.6	13.6	14.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)