

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-L850.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-L850.ies
Description: 1x4 D3X-LP ROUND PERF AT 2000lm 5000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1975.2 lumens
Efficiency: N/A
Efficacy: 87.0 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

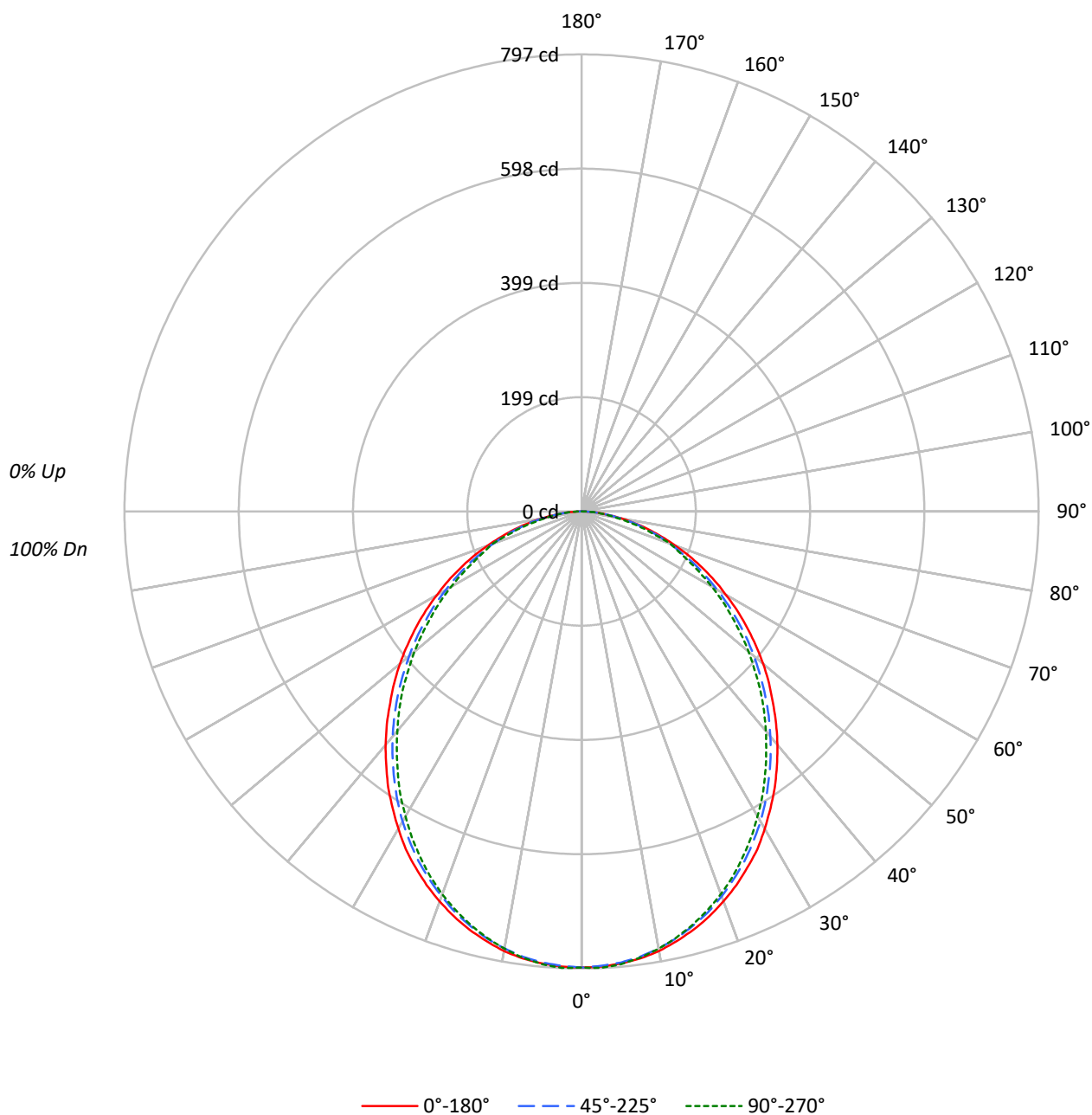
Input Watts (W): 22.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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					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°	2140	2140	2140
5°	2138	2133	2141
10°	2127	2114	2116
15°	2104	2086	2079
20°	2072	2045	2034
25°	2034	1998	1975
30°	1985	1940	1907
35°	1930	1871	1834
40°	1867	1799	1756
45°	1796	1722	1678
50°	1731	1643	1592
55°	1652	1556	1501
60°	1565	1468	1411
65°	1477	1380	1316
70°	1365	1286	1301
75°	1257	1184	1123
80°	1096	1049	941
85°	920	865	865

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1796 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	3.8
10°-20°	211.3	10.7
20°-30°	310.2	15.7
30°-40°	357.2	18.1
40°-50°	350.6	17.8
50°-60°	299.0	15.1
60°-70°	216.3	10.9
70°-80°	121.6	6.2
80°-90°	34.0	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°	596.5	30.2
0°-40°	953.7	48.3
0°-60°	1603.3	81.2
0°-90°	1975.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1975.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	795	795	795	795	795	
5°	791	792	790	792	792	75
15°	755	754	749	748	746	213
25°	685	680	673	668	665	315
35°	588	580	569	562	558	367
45°	472	466	453	444	441	365
55°	352	345	332	324	320	315
65°	232	225	217	208	207	230
75°	121	119	114	109	108	128
85°	30	31	28	28	28	34
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	795.4	795.4	795.4	795.4	795.4
2.5°	794.3	794.8	793.1	796.0	796.6
5°	791.3	791.9	789.6	791.9	792.5
7.5°	786.1	786.1	783.2	784.9	784.9
10°	778.5	777.3	773.8	774.4	774.4
12.5°	767.4	767.4	762.7	762.7	761.6
15°	755.1	754.0	748.7	747.5	746.4
17.5°	740.5	738.8	732.9	730.6	729.4
20°	723.6	720.7	714.2	711.3	710.2
22.5°	705.5	701.4	693.8	690.3	689.1
25°	685.0	679.8	672.8	667.5	665.2
27.5°	664.0	658.8	648.8	643.0	640.7
30°	638.9	633.7	624.3	617.3	613.8
32.5°	613.2	608.5	597.4	589.9	587.5
35°	587.5	580.5	569.4	561.8	558.3
37.5°	559.5	553.6	541.4	533.2	529.1
40°	531.5	525.6	512.2	503.4	499.9
42.5°	502.3	494.7	483.0	473.6	470.7
45°	471.9	466.0	452.6	443.9	440.9
47.5°	443.3	434.5	422.2	413.5	409.4
50°	413.5	405.3	392.5	383.1	380.2
52.5°	382.5	375.5	362.7	353.3	349.8
55°	352.2	344.6	331.7	323.5	320.0
57.5°	321.8	314.8	303.1	293.8	291.4
60°	290.8	284.4	272.7	265.1	262.2
62.5°	262.2	254.6	244.1	236.5	233.6
65°	231.9	225.4	216.7	208.5	206.7
67.5°	203.8	199.1	188.1	182.2	182.8
70°	173.5	173.5	163.5	157.7	165.3
72.5°	146.6	147.2	138.4	134.9	132.0
75°	120.9	118.6	113.9	109.2	108.0
77.5°	95.2	96.4	92.3	83.5	82.3
80°	70.7	77.1	67.7	61.9	60.7
82.5°	48.5	54.9	46.7	43.8	43.2
85°	29.8	31.0	28.0	28.0	28.0
87.5°	12.8	14.6	14.0	14.0	14.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)