

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-25-L850.ies

Issue Date: 2/27/2025

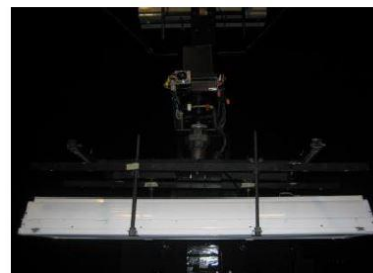
Test Information

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-25-L850.ies
Description: 1x4 D3X-LP AT 2500lm 5000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2599.3 lumens
Efficiency: N/A
Efficacy: 96.3 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

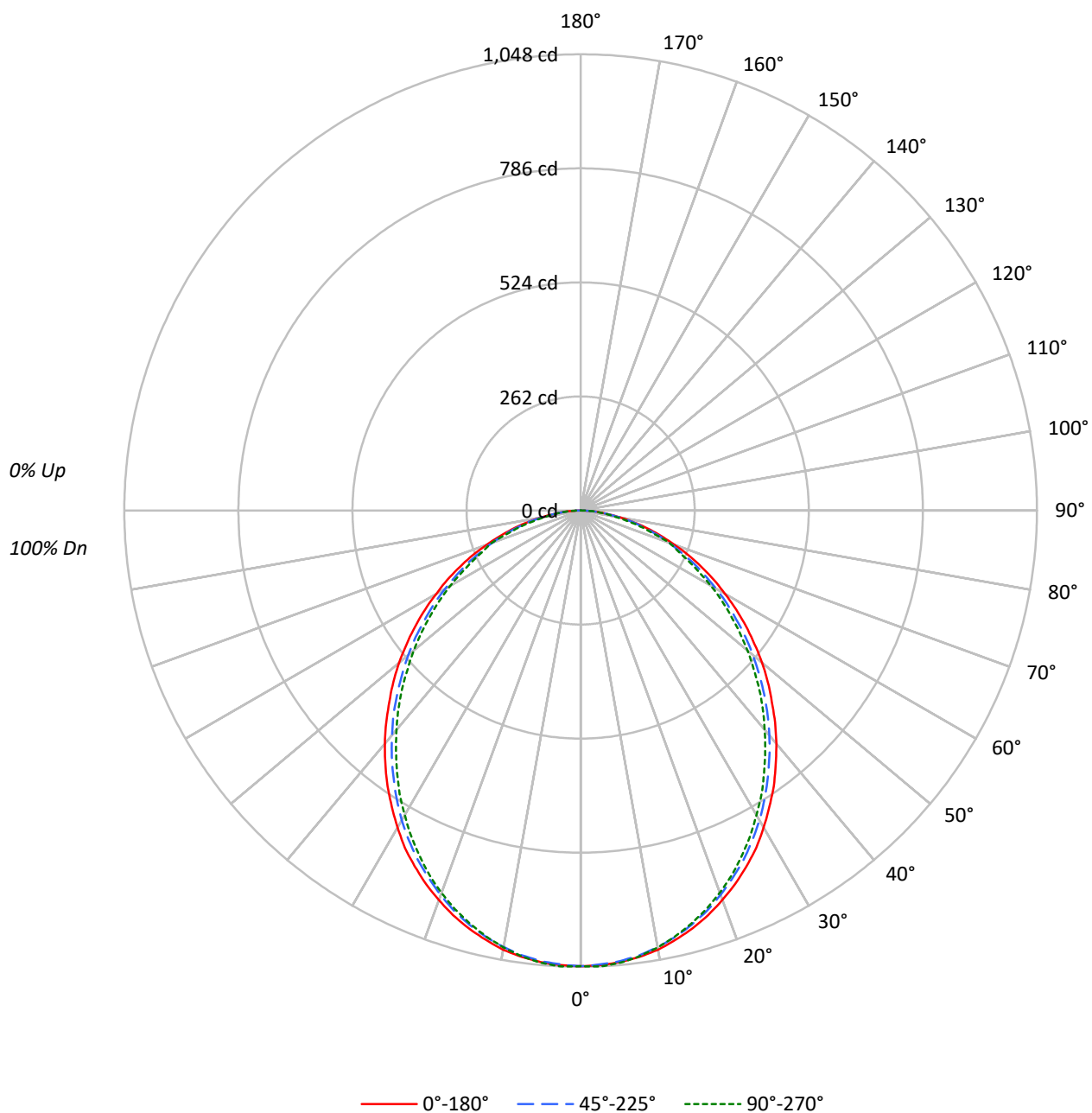
Input Watts (W): 27
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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					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°	2817	2817	2817
5°	2813	2807	2817
10°	2799	2782	2785
15°	2768	2745	2736
20°	2727	2692	2676
25°	2677	2629	2599
30°	2613	2553	2510
35°	2540	2462	2414
40°	2457	2368	2311
45°	2363	2267	2208
50°	2278	2162	2094
55°	2174	2048	1976
60°	2060	1932	1857
65°	1943	1815	1733
70°	1796	1693	1711
75°	1654	1559	1478
80°	1441	1382	1238
85°	1210	1139	1139

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2363 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.7	3.8
10°-20°	278.1	10.7
20°-30°	408.2	15.7
30°-40°	470.1	18.1
40°-50°	461.4	17.8
50°-60°	393.4	15.1
60°-70°	284.6	10.9
70°-80°	160.0	6.2
80°-90°	44.7	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°	785.0	30.2
0°-40°	1255.1	48.3
0°-60°	2110.0	81.2
0°-90°	2599.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2599.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1047	1047	1047	1047	1047	
5°	1041	1042	1039	1042	1043	99
15°	994	992	985	984	982	280
25°	902	895	885	878	875	415
35°	773	764	749	739	735	483
45°	621	613	596	584	580	480
55°	463	453	436	426	421	414
65°	305	297	285	274	272	303
75°	159	156	150	144	142	168
85°	39	41	37	37	37	45
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	1045.2	1046.0	1043.7	1047.5	1048.3
5°	1041.4	1042.1	1039.1	1042.1	1042.9
7.5°	1034.5	1034.5	1030.6	1032.9	1032.9
10°	1024.5	1022.9	1018.3	1019.1	1019.1
12.5°	1009.9	1009.9	1003.7	1003.7	1002.2
15°	993.7	992.2	985.3	983.7	982.2
17.5°	974.5	972.2	964.5	961.4	959.9
20°	952.2	948.4	939.9	936.1	934.5
22.5°	928.4	923.0	913.0	908.4	906.9
25°	901.5	894.6	885.4	878.4	875.4
27.5°	873.8	866.9	853.9	846.2	843.1
30°	840.8	833.9	821.6	812.3	807.7
32.5°	807.0	800.8	786.2	776.2	773.2
35°	773.2	763.9	749.3	739.3	734.7
37.5°	736.3	728.6	712.4	701.7	696.3
40°	699.4	691.7	674.0	662.5	657.9
42.5°	660.9	651.0	635.6	623.3	619.4
45°	621.0	613.3	595.6	584.1	580.2
47.5°	583.3	571.8	555.7	544.1	538.7
50°	544.1	533.4	516.5	504.2	500.3
52.5°	503.4	494.2	477.3	465.0	460.4
55°	463.4	453.4	436.5	425.8	421.2
57.5°	423.5	414.2	398.9	386.6	383.5
60°	382.7	374.3	358.9	348.9	345.1
62.5°	345.1	335.1	321.3	311.3	307.4
65°	305.1	296.7	285.1	274.4	272.1
67.5°	268.2	262.1	247.5	239.8	240.6
70°	228.3	228.3	215.2	207.5	217.5
72.5°	192.9	193.7	182.1	177.5	173.7
75°	159.1	156.0	149.9	143.7	142.2
77.5°	125.3	126.8	121.4	109.9	108.4
80°	93.0	101.4	89.2	81.5	79.9
82.5°	63.8	72.2	61.5	57.6	56.9
85°	39.2	40.7	36.9	36.9	36.9
87.5°	16.9	19.2	18.4	18.4	19.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)