

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-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-25-L835.ies
Description: 1x4 D3X-LP ROUND PERF AT 2500lm 3500K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2277.9 lumens
Efficiency: N/A
Efficacy: 84.4 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

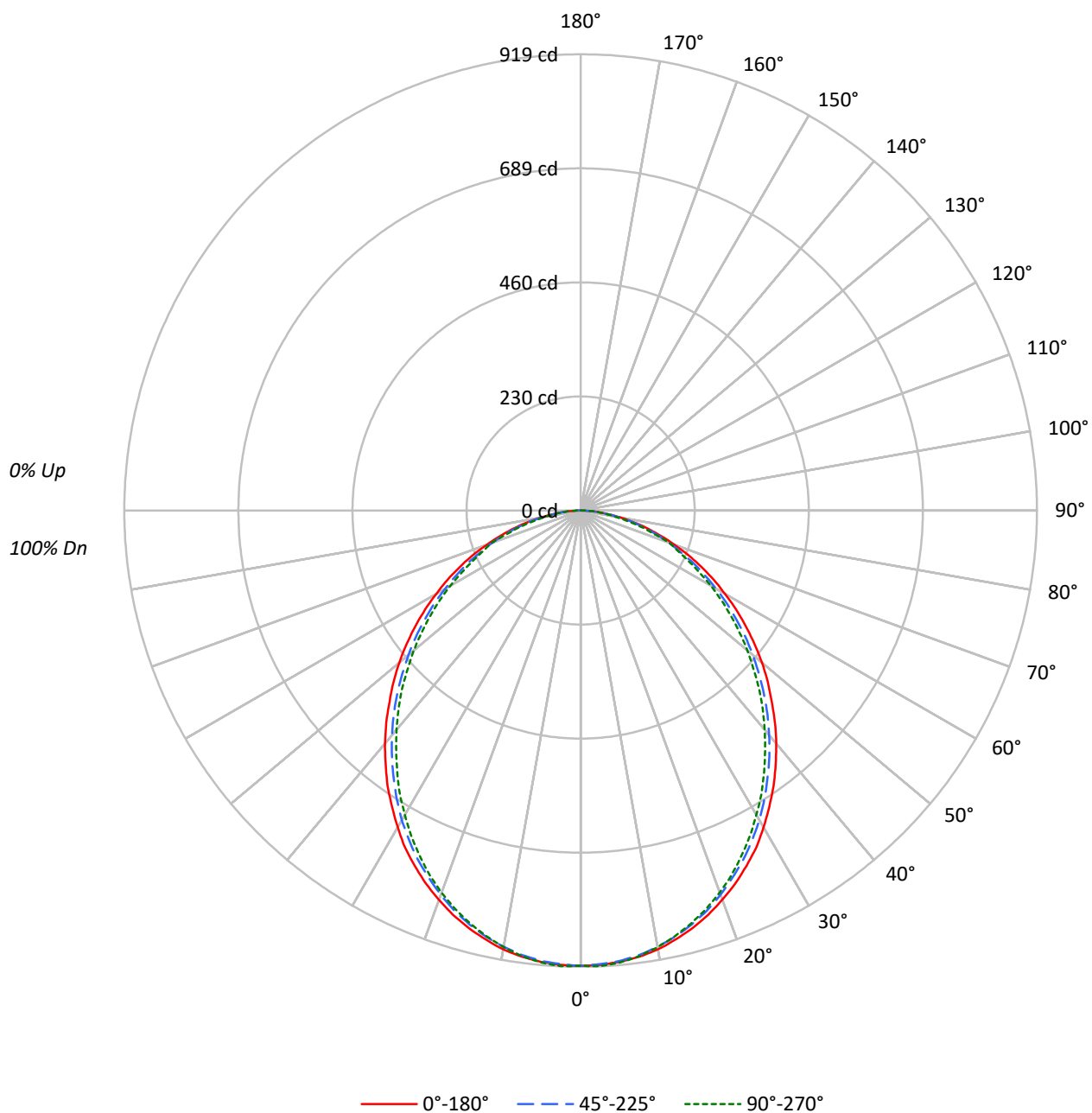
Input Watts (W): 27
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-25-L835.ies

Luminous Intensity Polar Plot



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-25-L835.ies

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	102	102	100
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	87	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	73	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	63	63	60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	56	48	43	54	47	42	52	46	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	45	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2468	2468	2468
5°	2465	2460	2469
10°	2453	2438	2440
15°	2426	2405	2398
20°	2390	2359	2345
25°	2346	2304	2278
30°	2289	2237	2200
35°	2226	2157	2115
40°	2153	2075	2025
45°	2071	1987	1935
50°	1996	1895	1836
55°	1905	1795	1732
60°	1805	1693	1628
65°	1703	1591	1518
70°	1574	1484	1500
75°	1449	1365	1295
80°	1263	1210	1085
85°	1059	997	997

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2071 cd/sqm

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-25-L835.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.5	3.8
10°-20°	243.7	10.7
20°-30°	357.7	15.7
30°-40°	411.9	18.1
40°-50°	404.4	17.8
50°-60°	344.8	15.1
60°-70°	249.4	10.9
70°-80°	140.2	6.2
80°-90°	39.2	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°	687.9	30.2
0°-40°	1099.9	48.3
0°-60°	1849.1	81.2
0°-90°	2277.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2277.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	917	917	917	917	917	
5°	913	913	911	913	914	87
15°	871	870	863	862	861	245
25°	790	784	776	770	767	364
35°	678	670	657	648	644	423
45°	544	538	522	512	508	421
55°	406	397	383	373	369	363
65°	267	260	250	240	238	265
75°	139	137	131	126	125	147
85°	34	36	32	32	32	40
90°	0	0	0	0	0	

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-25-L835.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	917.3	917.3	917.3	917.3	917.3
2.5°	916.0	916.6	914.6	918.0	918.7
5°	912.6	913.3	910.6	913.3	913.9
7.5°	906.5	906.5	903.2	905.2	905.2
10°	897.8	896.4	892.4	893.1	893.1
12.5°	885.0	885.0	879.6	879.6	878.2
15°	870.8	869.5	863.4	862.1	860.7
17.5°	854.0	852.0	845.2	842.6	841.2
20°	834.5	831.1	823.7	820.3	819.0
22.5°	813.6	808.9	800.1	796.1	794.7
25°	790.0	784.0	775.9	769.8	767.1
27.5°	765.8	759.7	748.3	741.5	738.8
30°	736.8	730.8	720.0	711.9	707.9
32.5°	707.2	701.8	689.0	680.2	677.5
35°	677.5	669.5	656.7	647.9	643.9
37.5°	645.2	638.5	624.3	614.9	610.2
40°	612.9	606.2	590.7	580.6	576.5
42.5°	579.2	570.5	557.0	546.2	542.8
45°	544.2	537.5	522.0	511.9	508.5
47.5°	511.2	501.1	486.9	476.8	472.1
50°	476.8	467.4	452.6	441.8	438.5
52.5°	441.1	433.1	418.2	407.5	403.4
55°	406.1	397.4	382.6	373.1	369.1
57.5°	371.1	363.0	349.5	338.8	336.1
60°	335.4	328.0	314.5	305.8	302.4
62.5°	302.4	293.6	281.5	272.8	269.4
65°	267.4	260.0	249.9	240.4	238.4
67.5°	235.1	229.7	216.9	210.1	210.8
70°	200.0	200.0	188.6	181.8	190.6
72.5°	169.0	169.7	159.6	155.6	152.2
75°	139.4	136.7	131.3	125.9	124.6
77.5°	109.8	111.1	106.4	96.3	95.0
80°	81.5	88.9	78.1	71.4	70.0
82.5°	55.9	63.3	53.9	50.5	49.8
85°	34.3	35.7	32.3	32.3	32.3
87.5°	14.8	16.8	16.2	16.2	16.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)