

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-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-35-L835.ies
Description: 1x4 D3X-LP ROUND PERF AT 3500lm 3500K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3052.8 lumens
Efficiency: N/A
Efficacy: 80.8 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

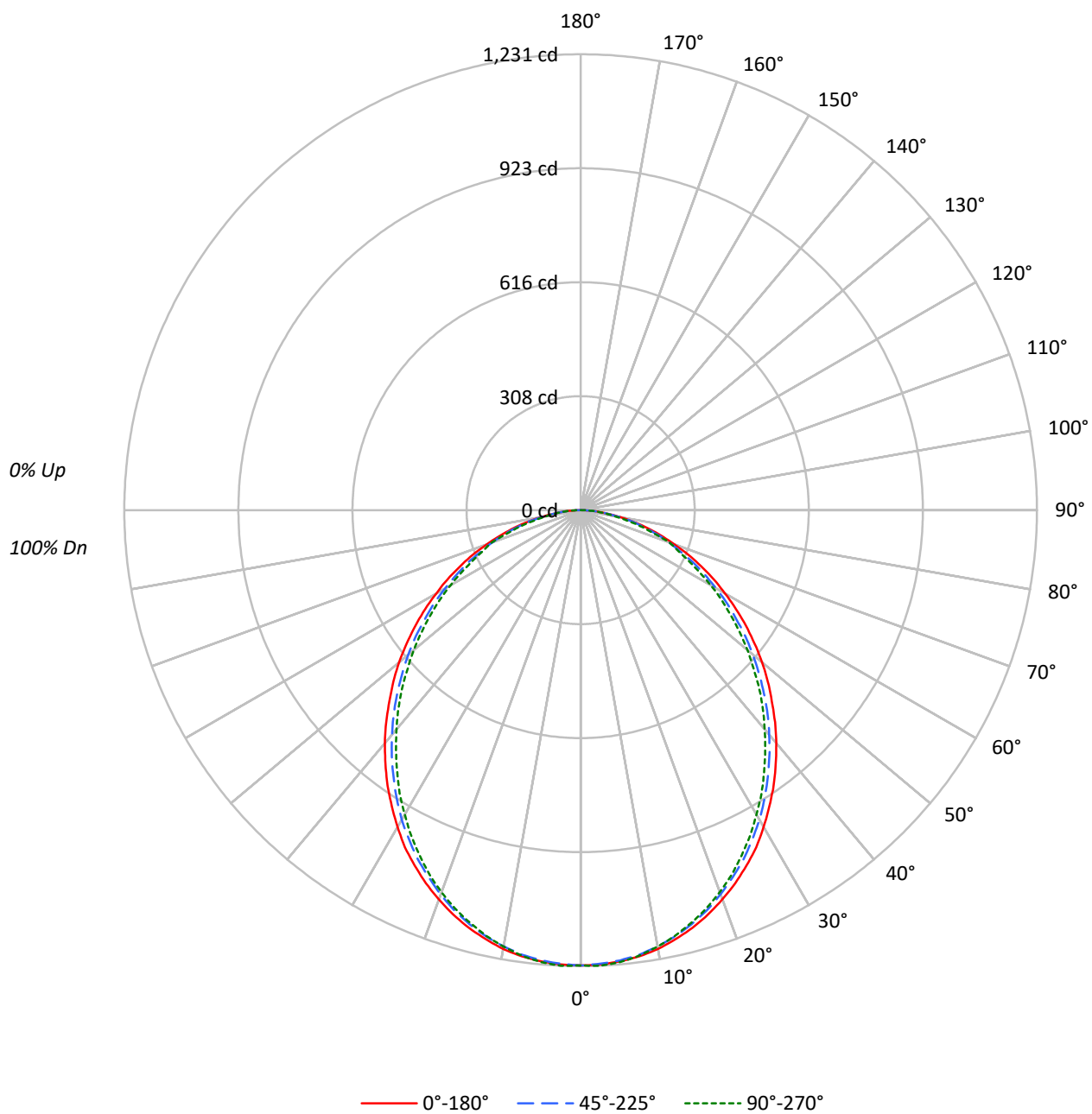
Input Watts (W): 37.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	3308	3308	3308
5°	3304	3296	3309
10°	3288	3268	3271
15°	3251	3224	3214
20°	3202	3161	3143
25°	3144	3087	3053
30°	3068	2998	2948
35°	2983	2891	2835
40°	2885	2781	2714
45°	2775	2662	2594
50°	2676	2539	2460
55°	2554	2405	2320
60°	2419	2268	2181
65°	2281	2132	2034
70°	2109	1988	2009
75°	1942	1830	1736
80°	1692	1623	1455
85°	1420	1337	1337

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2775 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.0	3.8
10°-20°	326.7	10.7
20°-30°	479.4	15.7
30°-40°	552.1	18.1
40°-50°	541.9	17.8
50°-60°	462.1	15.1
60°-70°	334.2	10.9
70°-80°	188.0	6.2
80°-90°	52.5	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°	922.0	30.2
0°-40°	1474.0	48.3
0°-60°	2478.1	81.2
0°-90°	3052.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3052.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1229	1229	1229	1229	1229	
5°	1223	1224	1220	1224	1225	116
15°	1167	1165	1157	1155	1154	329
25°	1059	1051	1040	1032	1028	488
35°	908	897	880	868	863	567
45°	729	720	700	686	682	564
55°	544	532	513	500	495	487
65°	358	348	335	322	320	356
75°	187	183	176	169	167	198
85°	46	48	43	43	43	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1229.4	1229.4	1229.4	1229.4	1229.4
2.5°	1227.6	1228.5	1225.8	1230.3	1231.2
5°	1223.0	1223.9	1220.3	1223.9	1224.9
7.5°	1214.9	1214.9	1210.4	1213.1	1213.1
10°	1203.2	1201.4	1196.0	1196.9	1196.9
12.5°	1186.0	1186.0	1178.8	1178.8	1177.0
15°	1167.1	1165.3	1157.2	1155.4	1153.5
17.5°	1144.5	1141.8	1132.8	1129.2	1127.4
20°	1118.3	1113.8	1103.9	1099.4	1097.6
22.5°	1090.4	1084.0	1072.3	1066.9	1065.1
25°	1058.8	1050.6	1039.8	1031.7	1028.1
27.5°	1026.3	1018.2	1002.8	993.8	990.2
30°	987.5	979.3	964.9	954.1	948.7
32.5°	947.7	940.5	923.4	911.6	908.0
35°	908.0	897.2	880.1	868.3	862.9
37.5°	864.7	855.7	836.7	824.1	817.8
40°	821.4	812.4	791.6	778.1	772.6
42.5°	776.3	764.5	746.5	732.0	727.5
45°	729.3	720.3	699.5	686.0	681.5
47.5°	685.1	671.5	652.6	639.1	632.7
50°	639.1	626.4	606.6	592.1	587.6
52.5°	591.2	580.4	560.5	546.1	540.7
55°	544.3	532.5	512.7	500.1	494.6
57.5°	497.3	486.5	468.5	454.0	450.4
60°	449.5	439.6	421.5	409.8	405.3
62.5°	405.3	393.5	377.3	365.6	361.0
65°	358.3	348.4	334.9	322.2	319.5
67.5°	315.0	307.8	290.6	281.6	282.5
70°	268.1	268.1	252.7	243.7	255.4
72.5°	226.6	227.5	213.9	208.5	204.0
75°	186.8	183.2	176.0	168.8	167.0
77.5°	147.1	148.9	142.6	129.1	127.3
80°	109.2	119.1	104.7	95.7	93.9
82.5°	74.9	84.8	72.2	67.7	66.8
85°	46.0	47.8	43.3	43.3	43.3
87.5°	19.9	22.6	21.7	21.7	22.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)