

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-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-35-L850.ies
Description: 1x4 D3X-LP ROUND PERF AT 3500lm 5000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3135.2 lumens
Efficiency: N/A
Efficacy: 82.9 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

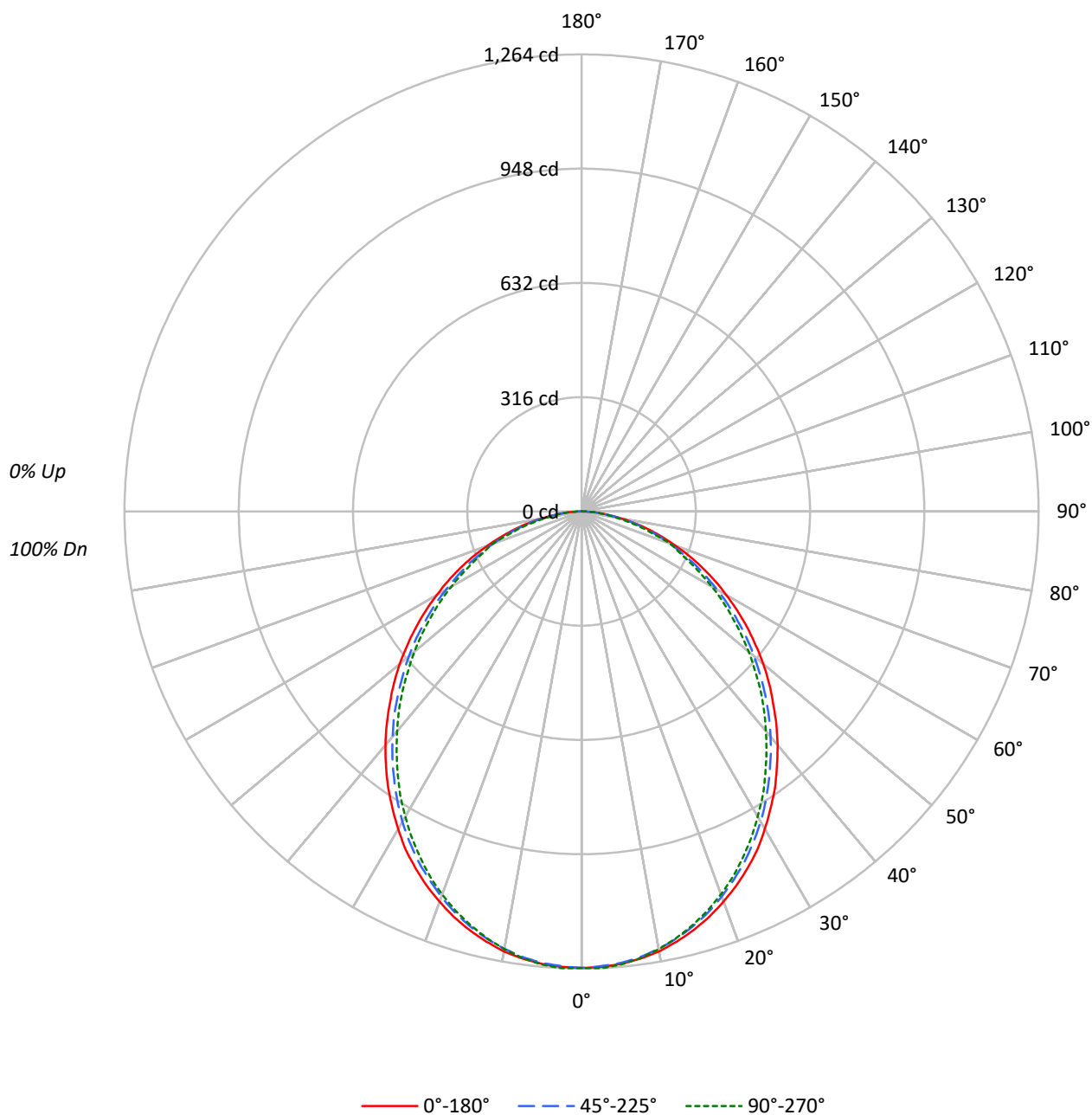
Input Watts (W): 37.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	3398	3398	3398
5°	3393	3385	3398
10°	3377	3356	3359
15°	3339	3311	3300
20°	3289	3247	3228
25°	3229	3171	3135
30°	3151	3079	3027
35°	3064	2969	2911
40°	2963	2856	2787
45°	2850	2734	2664
50°	2748	2608	2527
55°	2623	2470	2383
60°	2484	2330	2240
65°	2343	2190	2090
70°	2166	2043	2064
75°	1995	1880	1783
80°	1739	1666	1494
85°	1460	1374	1374

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2850 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.1	3.8
10°-20°	335.5	10.7
20°-30°	492.3	15.7
30°-40°	567.0	18.1
40°-50°	556.6	17.8
50°-60°	474.6	15.1
60°-70°	343.3	10.9
70°-80°	193.0	6.2
80°-90°	53.9	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°	946.9	30.2
0°-40°	1513.8	48.3
0°-60°	2545.0	81.2
0°-90°	3135.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3135.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1263	1263	1263	1263	1263	
5°	1256	1257	1253	1257	1258	119
15°	1199	1197	1188	1186	1185	338
25°	1087	1079	1068	1060	1056	501
35°	933	921	904	892	886	583
45°	749	740	718	704	700	579
55°	559	547	526	514	508	500
65°	368	358	344	331	328	365
75°	192	188	181	173	172	203
85°	47	49	44	44	44	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1262.6	1262.6	1262.6	1262.6	1262.6
2.5°	1260.7	1261.6	1258.8	1263.5	1264.4
5°	1256.1	1257.0	1253.3	1257.0	1257.9
7.5°	1247.7	1247.7	1243.1	1245.9	1245.9
10°	1235.7	1233.8	1228.3	1229.2	1229.2
12.5°	1218.1	1218.1	1210.6	1210.6	1208.8
15°	1198.6	1196.7	1188.4	1186.5	1184.7
17.5°	1175.4	1172.6	1163.4	1159.7	1157.8
20°	1148.5	1143.9	1133.7	1129.1	1127.2
22.5°	1119.8	1113.3	1101.3	1095.7	1093.8
25°	1087.4	1079.0	1067.9	1059.5	1055.8
27.5°	1054.0	1045.6	1029.9	1020.6	1016.9
30°	1014.1	1005.8	991.0	979.8	974.3
32.5°	973.3	965.9	948.3	936.3	932.6
35°	932.6	921.4	903.8	891.8	886.2
37.5°	888.1	878.8	859.3	846.3	839.9
40°	843.6	834.3	813.0	799.1	793.5
42.5°	797.2	785.2	766.6	751.8	747.2
45°	749.0	739.7	718.4	704.5	699.9
47.5°	703.6	689.7	670.2	656.3	649.8
50°	656.3	643.3	622.9	608.1	603.5
52.5°	607.2	596.1	575.7	560.8	555.3
55°	559.0	546.9	526.5	513.6	508.0
57.5°	510.8	499.6	481.1	466.3	462.6
60°	461.6	451.4	432.9	420.9	416.2
62.5°	416.2	404.2	387.5	375.4	370.8
65°	368.0	357.8	343.9	330.9	328.2
67.5°	323.5	316.1	298.5	289.2	290.1
70°	275.3	275.3	259.6	250.3	262.3
72.5°	232.7	233.6	219.7	214.1	209.5
75°	191.9	188.2	180.8	173.3	171.5
77.5°	151.1	153.0	146.5	132.6	130.7
80°	112.2	122.4	107.5	98.3	96.4
82.5°	76.9	87.1	74.2	69.5	68.6
85°	47.3	49.1	44.5	44.5	44.5
87.5°	20.4	23.2	22.2	22.2	23.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)