

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-45-L935.ies

Issue Date: 2/27/2025

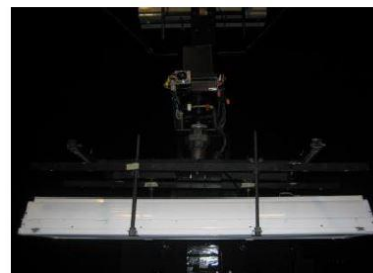
Test Information

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-45-L935.ies
Description: 1x4 D3X-LP AT 4500lm 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3888.0 lumens
Efficiency: N/A
Efficacy: 71.9 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

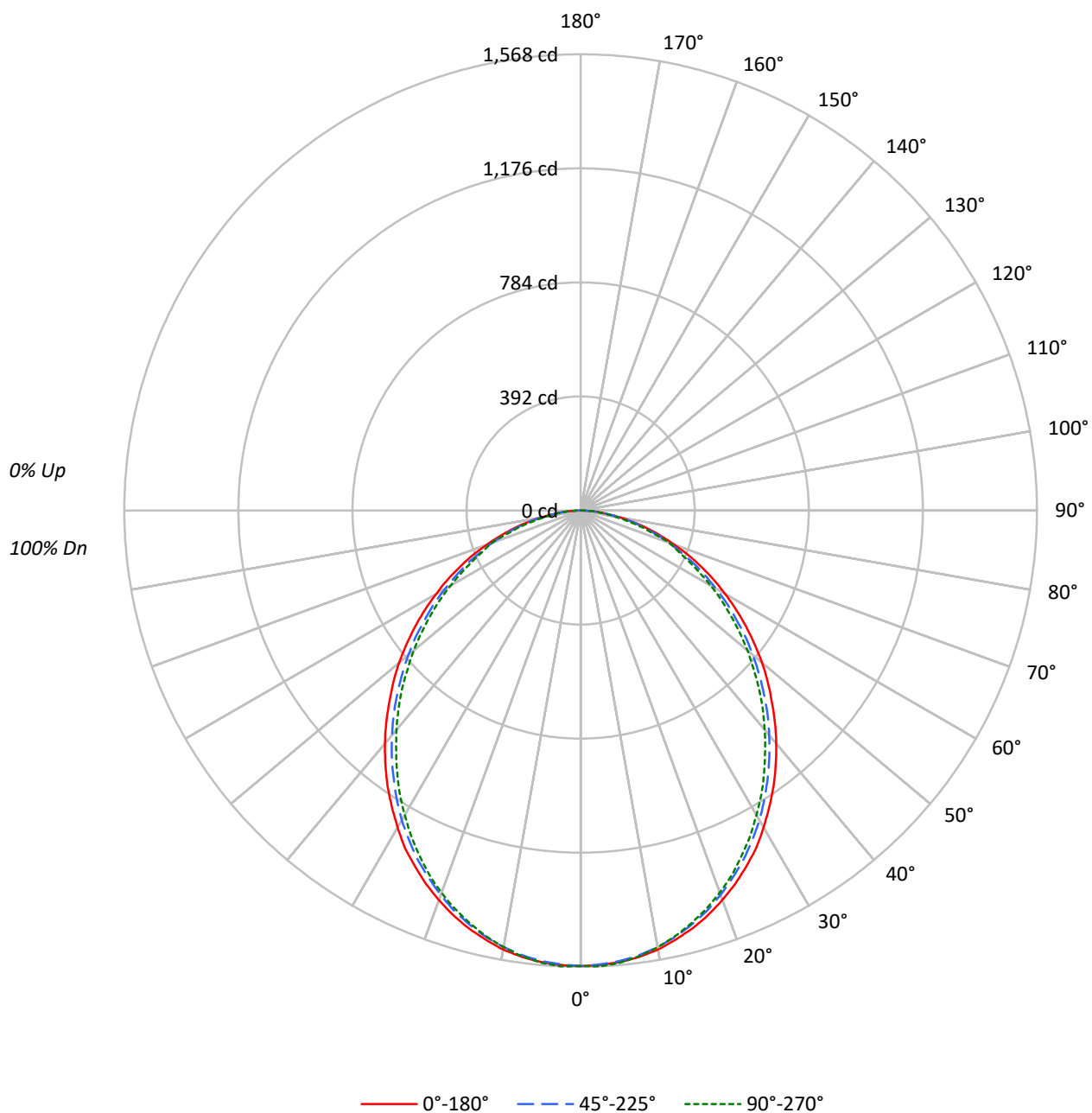
Input Watts (W): 54.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	4213	4213	4213
5°	4208	4198	4214
10°	4187	4162	4165
15°	4141	4106	4093
20°	4079	4026	4003
25°	4004	3932	3888
30°	3908	3819	3754
35°	3799	3682	3610
40°	3675	3542	3457
45°	3535	3390	3303
50°	3407	3234	3133
55°	3252	3064	2956
60°	3081	2889	2778
65°	2906	2716	2591
70°	2686	2533	2559
75°	2475	2331	2211
80°	2156	2066	1853
85°	1809	1704	1704

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3535 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.7	3.8
10°-20°	416.0	10.7
20°-30°	610.5	15.7
30°-40°	703.1	18.1
40°-50°	690.2	17.8
50°-60°	588.5	15.1
60°-70°	425.7	10.9
70°-80°	239.4	6.2
80°-90°	66.9	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°	1174.2	30.2
0°-40°	1877.3	48.3
0°-60°	3156.0	81.2
0°-90°	3888.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3888.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1566	1566	1566	1566	1566	
5°	1558	1559	1554	1559	1560	148
15°	1486	1484	1474	1471	1469	419
25°	1348	1338	1324	1314	1309	621
35°	1156	1143	1121	1106	1099	722
45°	929	917	891	874	868	718
55°	693	678	653	637	630	620
65°	456	444	426	410	407	453
75°	238	233	224	215	213	252
85°	59	61	55	55	55	68
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1565.7	1565.7	1565.7	1565.7	1565.7
2.5°	1563.4	1564.6	1561.1	1566.9	1568.0
5°	1557.7	1558.8	1554.2	1558.8	1560.0
7.5°	1547.3	1547.3	1541.6	1545.0	1545.0
10°	1532.4	1530.1	1523.2	1524.3	1524.3
12.5°	1510.5	1510.5	1501.3	1501.3	1499.0
15°	1486.4	1484.1	1473.7	1471.4	1469.1
17.5°	1457.6	1454.2	1442.7	1438.1	1435.8
20°	1424.3	1418.6	1405.9	1400.2	1397.9
22.5°	1388.7	1380.6	1365.7	1358.8	1356.5
25°	1348.4	1338.1	1324.3	1313.9	1309.3
27.5°	1307.0	1296.7	1277.2	1265.7	1261.1
30°	1257.6	1247.3	1228.9	1215.1	1208.2
32.5°	1207.0	1197.8	1176.0	1161.1	1156.5
35°	1156.5	1142.7	1120.8	1105.9	1099.0
37.5°	1101.3	1089.8	1065.6	1049.5	1041.5
40°	1046.1	1034.6	1008.2	990.9	984.0
42.5°	988.6	973.7	950.7	932.3	926.5
45°	928.8	917.3	890.9	873.7	867.9
47.5°	872.5	855.3	831.1	813.9	805.8
50°	813.9	797.8	772.5	754.1	748.4
52.5°	753.0	739.2	713.9	695.5	688.6
55°	693.2	678.2	653.0	636.9	630.0
57.5°	633.4	619.6	596.6	578.2	573.6
60°	572.5	559.8	536.8	521.9	516.2
62.5°	516.2	501.2	480.5	465.6	459.8
65°	456.4	443.7	426.5	410.4	406.9
67.5°	401.2	392.0	370.2	358.7	359.8
70°	341.4	341.4	321.9	310.4	325.3
72.5°	288.5	289.7	272.4	265.5	259.8
75°	238.0	233.4	224.2	215.0	212.7
77.5°	187.4	189.7	181.6	164.4	162.1
80°	139.1	151.7	133.3	121.9	119.6
82.5°	95.4	108.1	92.0	86.2	85.1
85°	58.6	60.9	55.2	55.2	55.2
87.5°	25.3	28.7	27.6	27.6	28.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)