

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-45-L950.ies

Issue Date: 2/27/2025

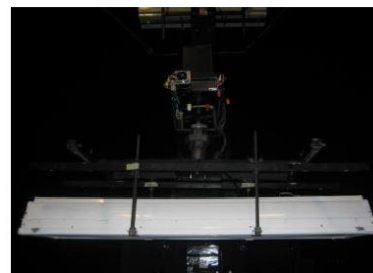
Test Information

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-45-L950.ies
Description: 1x4 D3X-LP ROUND PERF AT 4500lm 5000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3593.7 lumens
Efficiency: N/A
Efficacy: 66.4 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

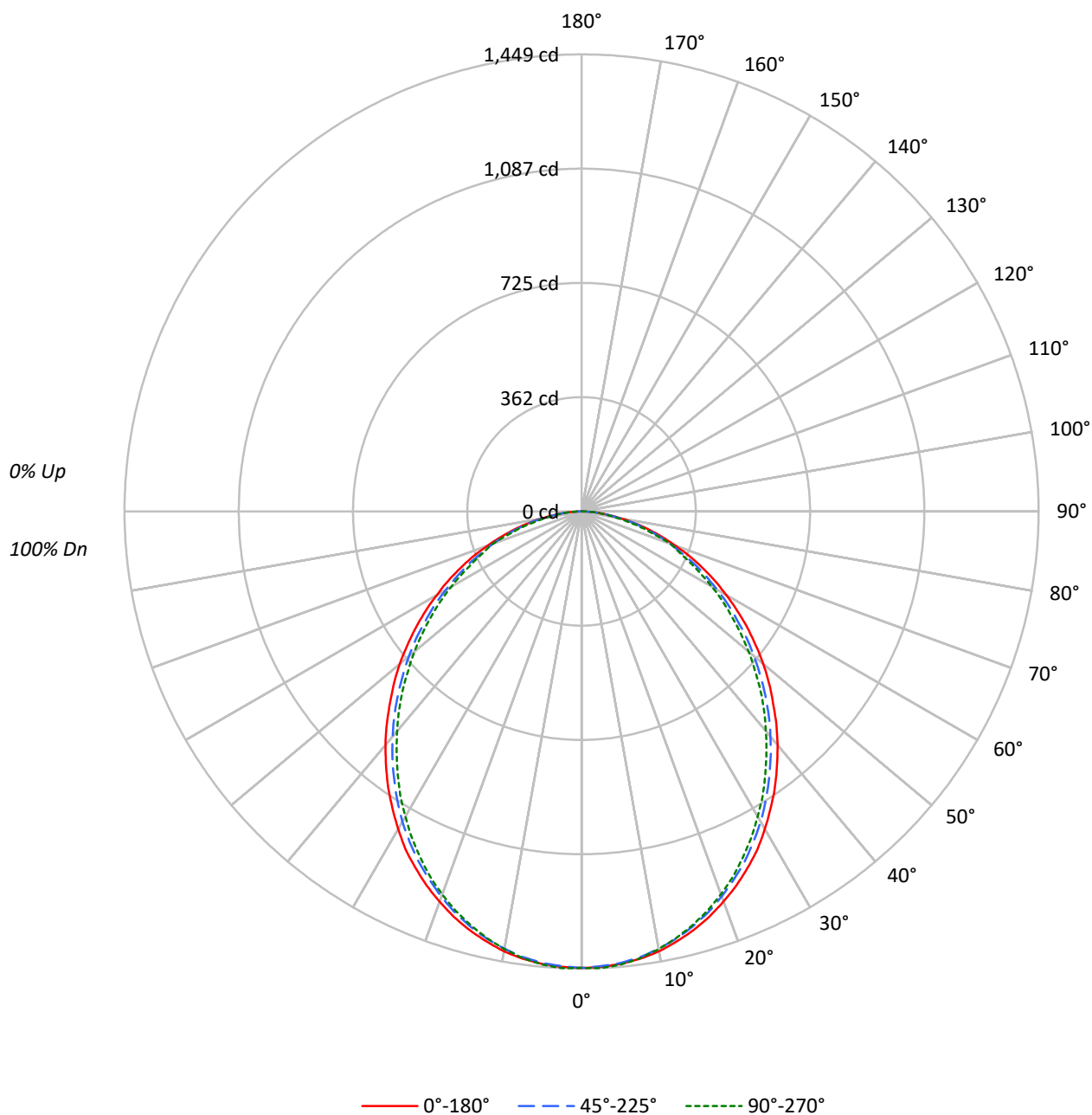
Input Watts (W): 54.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	109	105	100	97	106	102	98	95	98	95	92		94	92	89		85
2	100	92	85	79	97	90	84	78	86	81	77		83	79	75		71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		60
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		45
6	71	58	49	43	69	57	49	43	56	48	43		54	47	42		40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		32
9	58	45	36	31	56	44	36	31	43	36	31		42	35	31		29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3894	3894	3894
5°	3889	3881	3895
10°	3870	3847	3850
15°	3828	3795	3783
20°	3770	3721	3700
25°	3701	3634	3593
30°	3612	3530	3470
35°	3511	3403	3337
40°	3397	3273	3195
45°	3267	3134	3053
50°	3149	2989	2896
55°	3006	2831	2732
60°	2848	2671	2568
65°	2686	2510	2395
70°	2483	2341	2366
75°	2286	2154	2044
80°	1993	1911	1712
85°	1673	1575	1575

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3267 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.5	3.8
10°-20°	384.5	10.7
20°-30°	564.3	15.7
30°-40°	649.9	18.1
40°-50°	637.9	17.8
50°-60°	543.9	15.1
60°-70°	393.5	10.9
70°-80°	221.3	6.2
80°-90°	61.8	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°	1085.3	30.2
0°-40°	1735.2	48.3
0°-60°	2917.1	81.2
0°-90°	3593.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3593.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1447	1447	1447	1447	1447	
5°	1440	1441	1437	1441	1442	137
15°	1374	1372	1362	1360	1358	387
25°	1246	1237	1224	1214	1210	574
35°	1069	1056	1036	1022	1016	668
45°	858	848	824	808	802	663
55°	641	627	604	589	582	573
65°	422	410	394	379	376	419
75°	220	216	207	199	197	233
85°	54	56	51	51	51	63
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1447.2	1447.2	1447.2	1447.2	1447.2
2.5°	1445.1	1446.1	1442.9	1448.2	1449.3
5°	1439.7	1440.8	1436.6	1440.8	1441.9
7.5°	1430.2	1430.2	1424.9	1428.1	1428.1
10°	1416.4	1414.2	1407.9	1408.9	1408.9
12.5°	1396.2	1396.2	1387.7	1387.7	1385.5
15°	1373.9	1371.7	1362.2	1360.0	1357.9
17.5°	1347.3	1344.1	1333.5	1329.2	1327.1
20°	1316.5	1311.2	1299.5	1294.2	1292.0
22.5°	1283.5	1276.1	1262.3	1255.9	1253.8
25°	1246.4	1236.8	1224.0	1214.5	1210.2
27.5°	1208.1	1198.5	1180.5	1169.9	1165.6
30°	1162.4	1152.9	1135.9	1123.1	1116.7
32.5°	1115.7	1107.2	1087.0	1073.2	1068.9
35°	1068.9	1056.2	1036.0	1022.2	1015.8
37.5°	1017.9	1007.3	985.0	970.1	962.7
40°	966.9	956.3	931.8	915.9	909.5
42.5°	913.8	900.0	878.7	861.7	856.4
45°	858.5	847.9	823.5	807.5	802.2
47.5°	806.5	790.5	768.2	752.3	744.8
50°	752.3	737.4	714.0	697.0	691.7
52.5°	696.0	683.2	659.8	642.8	636.5
55°	640.7	626.9	603.5	588.6	582.3
57.5°	585.5	572.7	551.5	534.5	530.2
60°	529.1	517.5	496.2	482.4	477.1
62.5°	477.1	463.3	444.1	430.3	425.0
65°	421.8	410.1	394.2	379.3	376.1
67.5°	370.8	362.3	342.1	331.5	332.6
70°	315.6	315.6	297.5	286.9	300.7
72.5°	266.7	267.8	251.8	245.4	240.1
75°	219.9	215.7	207.2	198.7	196.6
77.5°	173.2	175.3	167.9	151.9	149.8
80°	128.6	140.3	123.3	112.6	110.5
82.5°	88.2	99.9	85.0	79.7	78.6
85°	54.2	56.3	51.0	51.0	51.0
87.5°	23.4	26.6	25.5	25.5	26.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)