

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-L930.ies

Issue Date: 2/27/2025

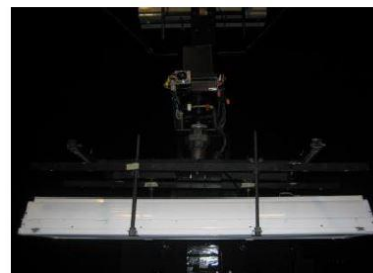
Test Information

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-L930.ies
Description: 1x4 D3X-LP ROUND PERF AT 4500lm 3000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3452.4 lumens
Efficiency: N/A
Efficacy: 63.8 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

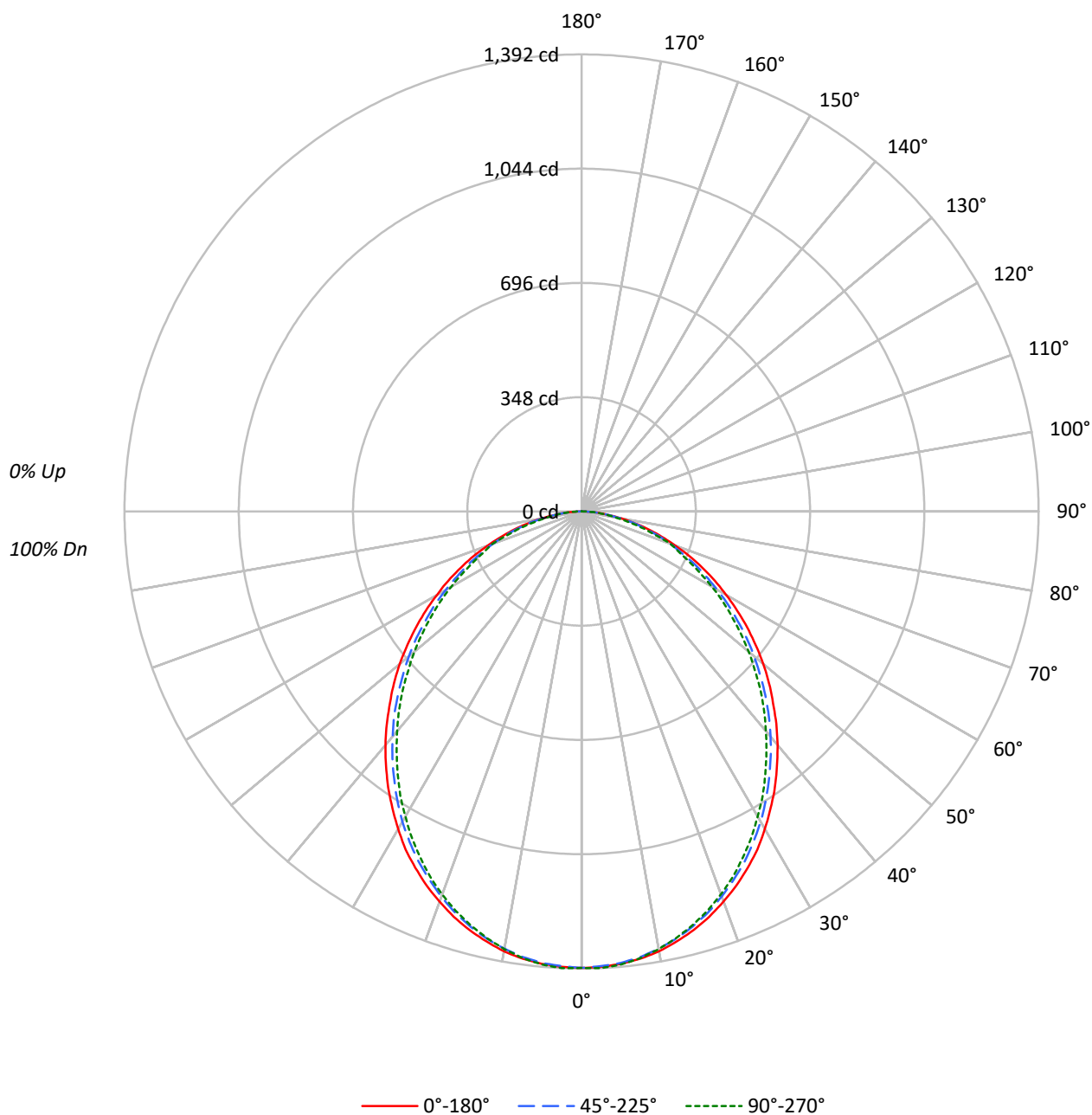
Input Watts (W): 54.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	3741	3741	3741
5°	3736	3728	3742
10°	3718	3696	3698
15°	3677	3646	3634
20°	3622	3575	3555
25°	3555	3491	3452
30°	3470	3391	3333
35°	3373	3269	3206
40°	3263	3145	3070
45°	3139	3011	2933
50°	3026	2872	2782
55°	2888	2720	2624
60°	2736	2566	2467
65°	2580	2411	2301
70°	2386	2249	2273
75°	2197	2069	1963
80°	1914	1835	1646
85°	1609	1513	1513

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3139 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.1	3.8
10°-20°	369.4	10.7
20°-30°	542.1	15.7
30°-40°	624.3	18.1
40°-50°	612.9	17.8
50°-60°	522.6	15.1
60°-70°	378.0	10.9
70°-80°	212.6	6.2
80°-90°	59.4	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°	1042.7	30.2
0°-40°	1667.0	48.3
0°-60°	2802.4	81.2
0°-90°	3452.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3452.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1390	1390	1390	1390	1390	
5°	1383	1384	1380	1384	1385	131
15°	1320	1318	1309	1307	1304	372
25°	1197	1188	1176	1167	1163	551
35°	1027	1015	995	982	976	642
45°	825	815	791	776	771	637
55°	616	602	580	566	559	550
65°	405	394	379	364	361	402
75°	211	207	199	191	189	223
85°	52	54	49	49	49	60
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1390.3	1390.3	1390.3	1390.3	1390.3
2.5°	1388.2	1389.3	1386.2	1391.3	1392.3
5°	1383.1	1384.2	1380.1	1384.2	1385.2
7.5°	1374.0	1374.0	1368.8	1371.9	1371.9
10°	1360.7	1358.6	1352.5	1353.5	1353.5
12.5°	1341.3	1341.3	1333.1	1333.1	1331.1
15°	1319.9	1317.8	1308.6	1306.6	1304.5
17.5°	1294.3	1291.3	1281.1	1277.0	1274.9
20°	1264.7	1259.6	1248.4	1243.3	1241.3
22.5°	1233.1	1225.9	1212.7	1206.5	1204.5
25°	1197.4	1188.2	1175.9	1166.7	1162.7
27.5°	1160.6	1151.4	1134.1	1123.9	1119.8
30°	1116.7	1107.5	1091.2	1079.0	1072.8
32.5°	1071.8	1063.6	1044.2	1031.0	1026.9
35°	1026.9	1014.6	995.2	982.0	975.9
37.5°	977.9	967.7	946.3	932.0	924.8
40°	928.9	918.7	895.2	879.9	873.8
42.5°	877.9	864.6	844.2	827.8	822.7
45°	824.8	814.6	791.1	775.8	770.7
47.5°	774.8	759.5	738.0	722.7	715.6
50°	722.7	708.4	686.0	669.6	664.5
52.5°	668.6	656.4	633.9	617.6	611.4
55°	615.5	602.3	579.8	565.5	559.4
57.5°	562.4	550.2	529.8	513.4	509.4
60°	508.3	497.1	476.7	463.4	458.3
62.5°	458.3	445.1	426.7	413.4	408.3
65°	405.2	394.0	378.7	364.4	361.4
67.5°	356.2	348.1	328.7	318.5	319.5
70°	303.2	303.2	285.8	275.6	288.9
72.5°	256.2	257.2	241.9	235.8	230.7
75°	211.3	207.2	199.0	190.9	188.8
77.5°	166.4	168.4	161.3	146.0	143.9
80°	123.5	134.7	118.4	108.2	106.2
82.5°	84.7	96.0	81.7	76.6	75.5
85°	52.1	54.1	49.0	49.0	49.0
87.5°	22.5	25.5	24.5	24.5	25.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)