

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-50-L927.ies

Issue Date: 2/27/2025

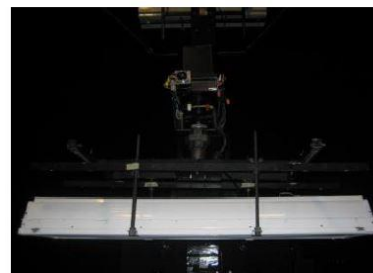
Test Information

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-50-L927.ies
Description: 1x4 D3X-LP ROUND PERF AT 5000lm 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3416.9 lumens
Efficiency: N/A
Efficacy: 57.6 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

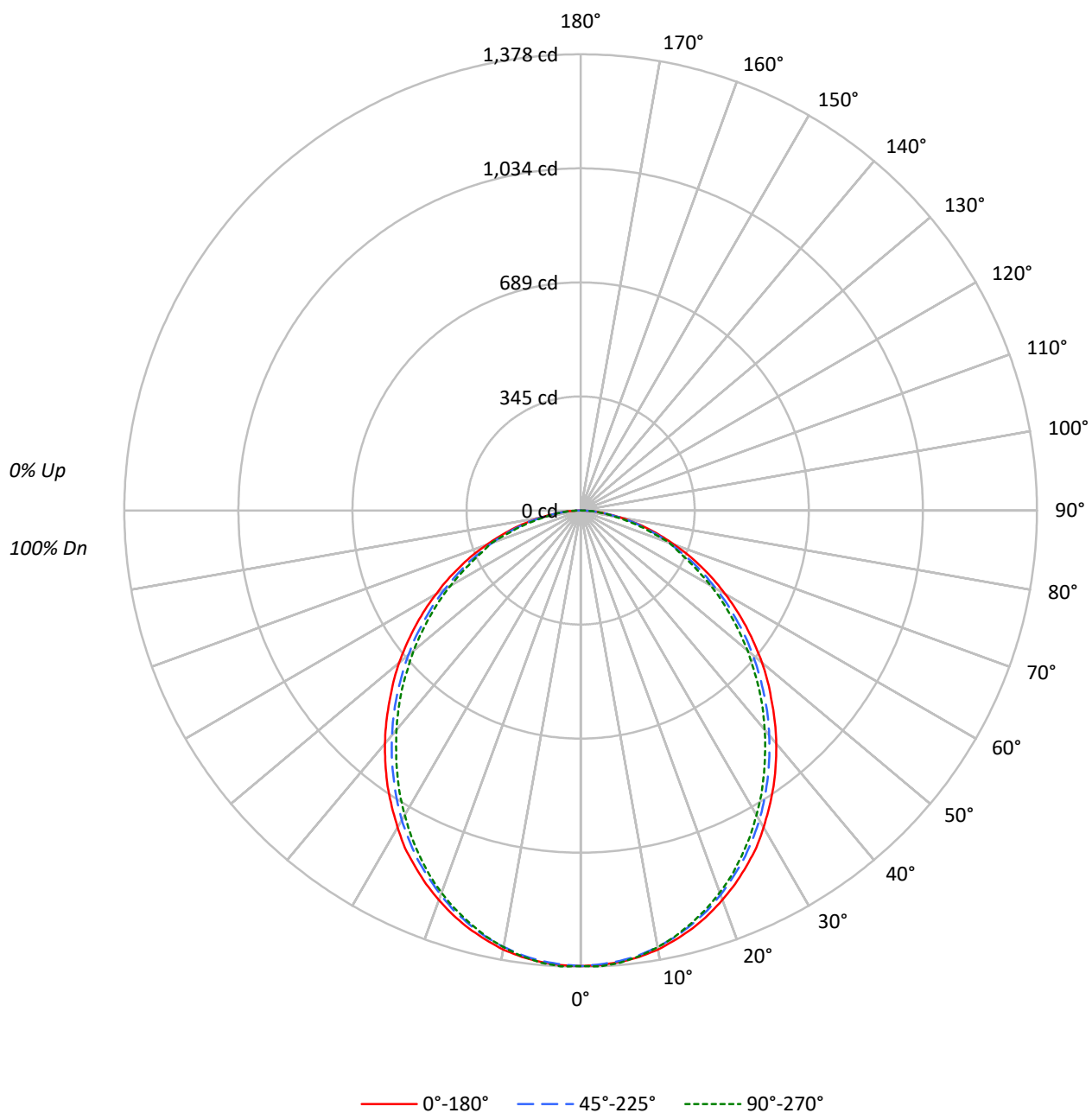
Input Watts (W): 59.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	105	100	97	106	102	98	95	98	95	92		94	92	89		91
2	100	92	85	79	97	90	84	78	86	81	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		64
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57
6	71	58	49	43	69	57	49	43	56	48	43		54	47	42		52
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44
9	58	45	36	31	56	44	36	31	43	36	31		42	35	31		41
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3703	3703	3703
5°	3698	3690	3703
10°	3680	3658	3660
15°	3639	3608	3597
20°	3584	3538	3518
25°	3518	3456	3417
30°	3434	3356	3299
35°	3339	3236	3173
40°	3229	3112	3038
45°	3107	2980	2903
50°	2995	2842	2753
55°	2858	2692	2597
60°	2708	2539	2441
65°	2554	2387	2277
70°	2360	2226	2249
75°	2174	2048	1943
80°	1894	1816	1629
85°	1590	1497	1497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3107 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.8	3.8
10°-20°	365.6	10.7
20°-30°	536.5	15.7
30°-40°	617.9	18.1
40°-50°	606.6	17.8
50°-60°	517.2	15.1
60°-70°	374.1	10.9
70°-80°	210.4	6.2
80°-90°	58.8	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°	1031.9	30.2
0°-40°	1649.8	48.3
0°-60°	2773.6	81.2
0°-90°	3416.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3416.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1376	1376	1376	1376	1376	
5°	1369	1370	1366	1370	1371	130
15°	1306	1304	1295	1293	1291	368
25°	1185	1176	1164	1155	1151	546
35°	1016	1004	985	972	966	635
45°	816	806	783	768	763	631
55°	609	596	574	560	554	545
65°	401	390	375	361	358	398
75°	209	205	197	189	187	221
85°	52	54	48	48	48	59
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1376.0	1376.0	1376.0	1376.0	1376.0
2.5°	1374.0	1375.0	1371.9	1377.0	1378.0
5°	1368.9	1369.9	1365.9	1369.9	1370.9
7.5°	1359.8	1359.8	1354.8	1357.8	1357.8
10°	1346.7	1344.7	1338.6	1339.6	1339.6
12.5°	1327.5	1327.5	1319.4	1319.4	1317.4
15°	1306.3	1304.2	1295.2	1293.1	1291.1
17.5°	1281.0	1278.0	1267.9	1263.8	1261.8
20°	1251.7	1246.7	1235.5	1230.5	1228.5
22.5°	1220.4	1213.3	1200.2	1194.1	1192.1
25°	1185.0	1175.9	1163.8	1154.7	1150.7
27.5°	1148.7	1139.6	1122.4	1112.3	1108.3
30°	1105.2	1096.1	1080.0	1067.8	1061.8
32.5°	1060.8	1052.7	1033.5	1020.4	1016.3
35°	1016.3	1004.2	985.0	971.9	965.8
37.5°	967.8	957.7	936.5	922.4	915.3
40°	919.3	909.2	886.0	870.8	864.8
42.5°	868.8	855.7	835.5	819.3	814.3
45°	816.3	806.2	783.0	767.8	762.7
47.5°	766.8	751.6	730.4	715.3	708.2
50°	715.3	701.1	678.9	662.7	657.7
52.5°	661.7	649.6	627.4	611.2	605.1
55°	609.2	596.1	573.8	559.7	553.6
57.5°	556.7	544.5	524.3	508.2	504.1
60°	503.1	492.0	471.8	458.7	453.6
62.5°	453.6	440.5	422.3	409.2	404.1
65°	401.1	390.0	374.8	360.7	357.6
67.5°	352.6	344.5	325.3	315.2	316.2
70°	300.0	300.0	282.9	272.8	285.9
72.5°	253.6	254.6	239.4	233.4	228.3
75°	209.1	205.1	197.0	188.9	186.9
77.5°	164.7	166.7	159.6	144.5	142.4
80°	122.2	133.4	117.2	107.1	105.1
82.5°	83.9	95.0	80.8	75.8	74.8
85°	51.5	53.5	48.5	48.5	48.5
87.5°	22.2	25.3	24.2	24.2	25.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)