

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: PORTFOLIO

Report Number: P1312566

Luminaire Tested: LDSQA3D13R309050DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309050DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

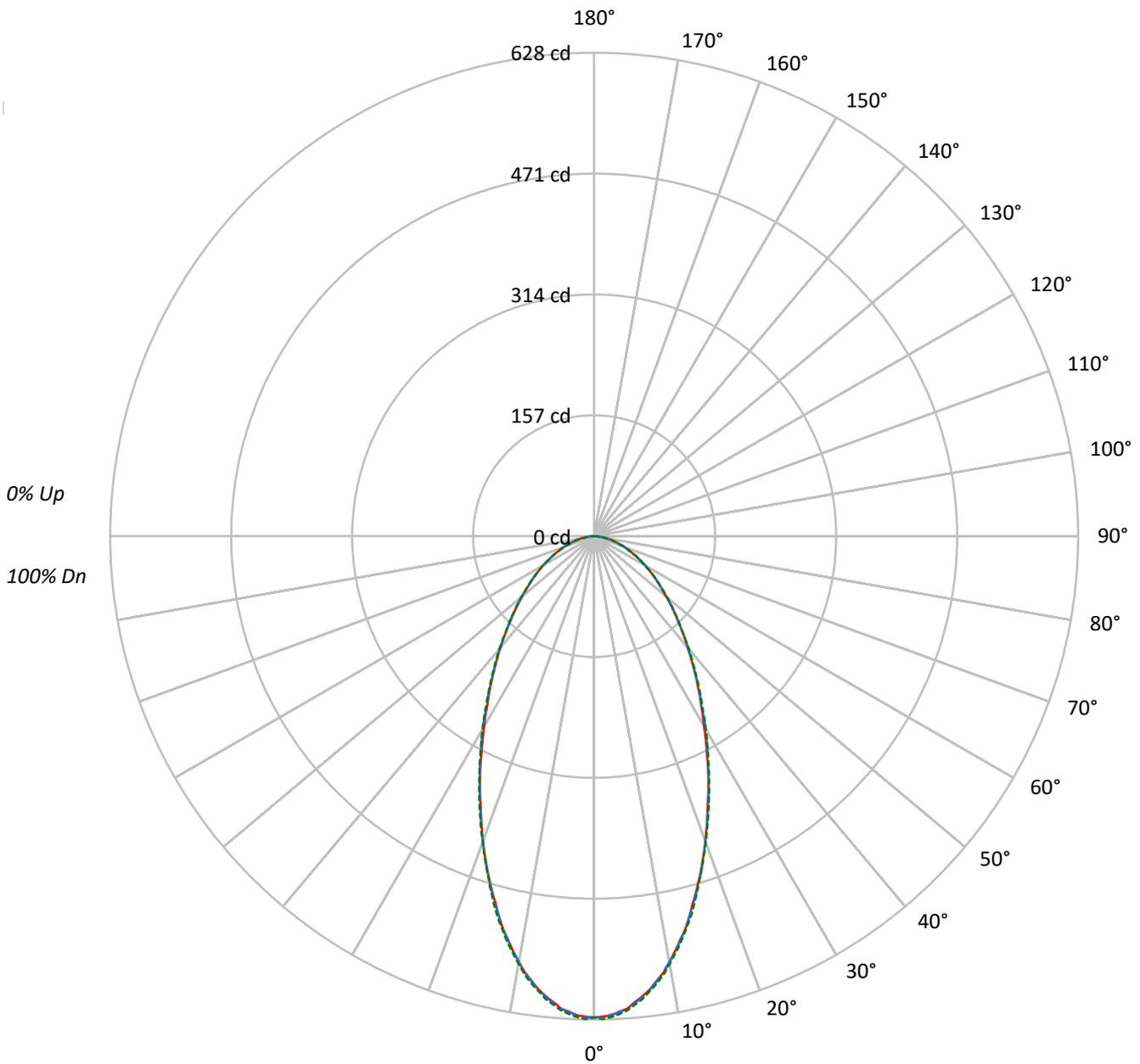
Lumens per Lamp: N/A
Luminaire Lumens: 803.0 lumens
Efficiency: N/A
Efficacy: 55.0 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
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



— 0°-180° - - 45°-225° ··· 90°-270°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	79	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	70	70	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	107708	107708	107708
5°	105042	105232	105613
10°	98282	98282	98684
15°	88133	88329	88917
20°	77361	77361	77562
25°	66699	66699	67117
30°	56776	57432	57651
35°	49050	49281	49513
40°	42446	42693	42963
45°	37070	37338	37338
50°	32741	32741	33036
55°	29336	29336	29336
60°	26385	26385	26385
65°	23554	23554	23554
70°	21250	21250	21250
75°	19231	18499	18499
80°	16563	15472	15472
85°	11066	11066	11066

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 37338 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	7.1
10°-20°	138.1	17.2
20°-30°	161.3	20.1
30°-40°	146.7	18.3
40°-50°	118.5	14.8
50°-60°	87.5	10.9
60°-70°	57.6	7.2
70°-80°	29.8	3.7
80°-90°	6.8	0.8
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°	356.0	44.3
0°-40°	502.7	62.6
0°-60°	708.8	88.3
0°-90°	803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	803.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	625	625	625	625	625	
5°	608	608	609	609	611	57
15°	494	495	495	495	499	138
25°	351	350	351	351	353	161
35°	233	232	234	234	236	146
45°	152	153	153	153	153	118
55°	98	97	98	97	98	88
65°	58	58	58	58	58	58
75°	29	28	28	28	28	31
85°	6	6	6	6	6	7
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	625.4	625.4	625.4	625.4	625.4
1°	624.3	624.3	625.4	624.3	627.6
2°	623.1	622.0	622.0	622.0	625.4
3°	618.7	618.7	619.8	618.7	622.0
4°	615.4	614.3	615.4	614.3	617.6
5°	607.6	607.6	608.7	608.7	610.9
6°	600.9	600.9	602.0	600.9	604.3
7°	593.2	593.2	593.2	593.2	595.4
8°	583.2	583.2	584.3	584.3	586.5
9°	574.3	573.2	573.2	573.2	576.5
10°	562.0	562.0	562.0	562.0	564.3
11°	549.8	549.8	549.8	549.8	552.1
12°	536.5	536.5	537.6	536.5	539.8
13°	524.3	524.3	524.3	524.3	526.5
14°	509.8	508.7	509.8	509.8	513.2
15°	494.3	495.4	495.4	495.4	498.7
17.5°	458.7	458.7	459.9	457.6	459.9
20°	422.1	421.0	422.1	422.1	423.2
22.5°	384.3	385.4	385.4	385.4	387.7
25°	351.0	349.9	351.0	351.0	353.2
27.5°	316.6	317.7	318.8	317.7	319.9
30°	285.5	287.7	288.8	286.6	289.9
32.5°	257.7	257.7	258.8	259.9	261.0
35°	233.3	232.2	234.4	234.4	235.5
37.5°	209.9	209.9	209.9	211.0	212.2
40°	188.8	188.8	189.9	189.9	191.1
42.5°	169.9	168.8	169.9	169.9	169.9
45°	152.2	153.3	153.3	153.3	153.3
47.5°	136.6	136.6	137.7	136.6	137.7
50°	122.2	122.2	122.2	122.2	123.3
52.5°	108.9	108.9	108.9	108.9	110.0
55°	97.7	96.6	97.7	96.6	97.7
57.5°	86.6	86.6	86.6	86.6	86.6
60°	76.6	75.5	76.6	75.5	76.6
62.5°	66.6	66.6	66.6	66.6	66.6
65°	57.8	57.8	57.8	57.8	57.8
67.5°	50.0	50.0	50.0	48.9	48.9
70°	42.2	42.2	42.2	42.2	42.2
72.5°	35.5	34.4	34.4	34.4	34.4
75°	28.9	27.8	27.8	27.8	27.8
77.5°	22.2	22.2	21.1	21.1	22.2
80°	16.7	15.6	15.6	15.6	15.6
82.5°	10.0	10.0	10.0	10.0	10.0
85°	5.6	5.6	5.6	5.6	5.6
87.5°	1.1	1.1	1.1	2.2	2.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)