

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: P1317178

Luminaire Tested: LDSQA3D05R259827DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R259827DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

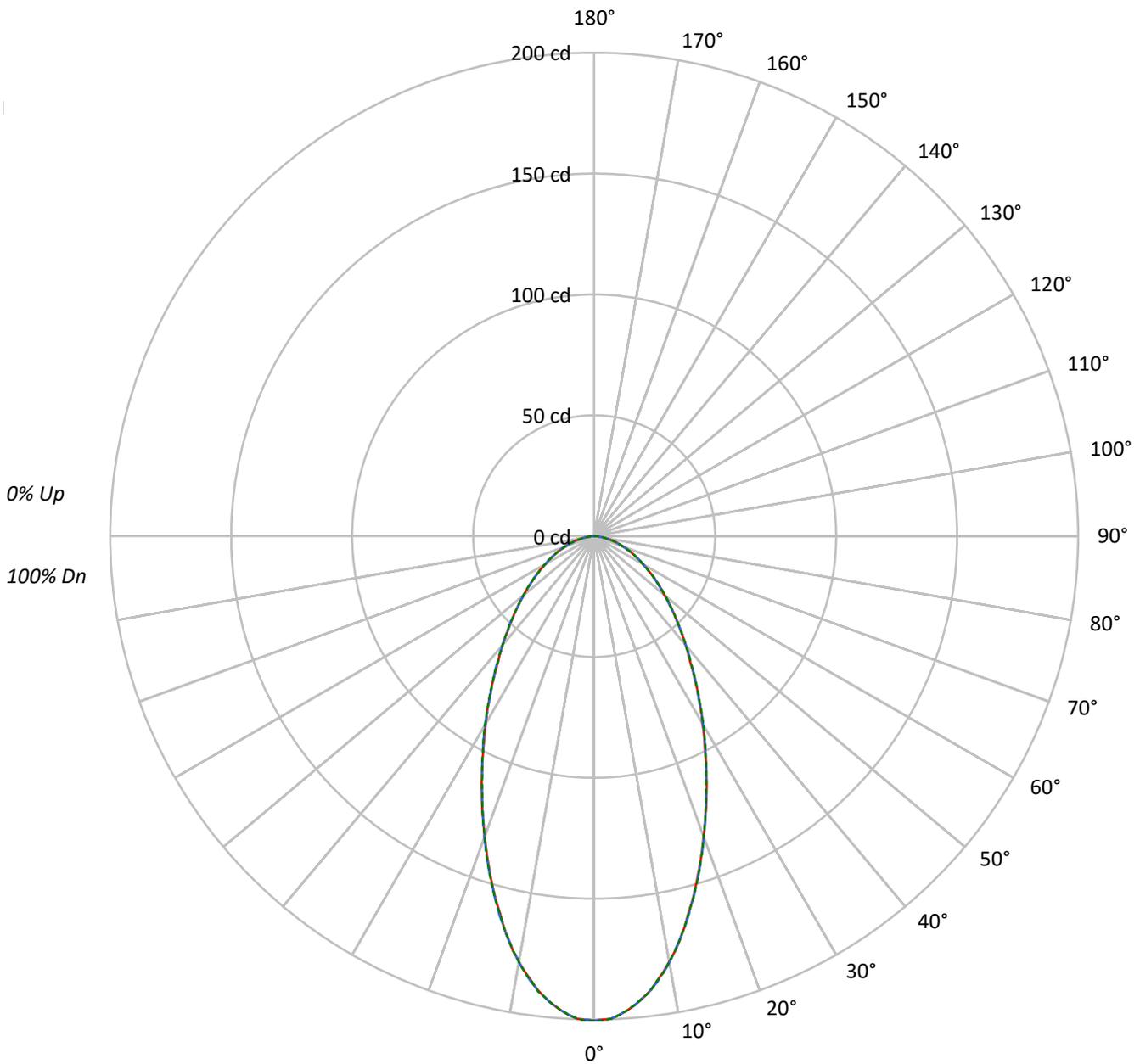
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 251.0 lumens
Efficiency: N/A
Efficacy: 34.9 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (A_{in}): 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				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	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	63	63	63	61
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	56	56	56	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	51	51	51	49
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	40	40	38
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34531	34531	34531
5°	33643	33643	33643
10°	31268	31321	31268
15°	27886	27939	27939
20°	24247	24302	24247
25°	20884	20808	20808
30°	17818	17878	17958
35°	15285	15285	15348
40°	13242	13242	13242
45°	11569	11569	11569
50°	10155	10155	10235
55°	9098	9098	9098
60°	8060	8060	8060
65°	7294	7294	7294
70°	6596	6395	6596
75°	5989	5723	5723
80°	4761	4761	4761
85°	3359	3359	3359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11569 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.1	7.2
10°-20°	43.6	17.4
20°-30°	50.4	20.1
30°-40°	45.7	18.2
40°-50°	36.8	14.7
50°-60°	27.1	10.8
60°-70°	17.9	7.1
70°-80°	9.2	3.7
80°-90°	2.1	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°	112.2	44.7
0°-40°	157.9	62.9
0°-60°	221.8	88.4
0°-90°	251.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	251.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	200	200	200	200	200	
5°	195	195	195	195	195	18
15°	156	157	157	156	157	44
25°	110	110	110	110	110	50
35°	73	73	73	73	73	46
45°	48	48	48	48	48	37
55°	30	30	30	30	30	27
65°	18	18	18	18	18	18
75°	9	9	9	9	9	9
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	200.5	200.5	200.5	200.5	200.5
1°	200.1	200.8	200.1	200.1	200.5
2°	199.8	200.1	199.8	199.8	199.8
3°	198.4	199.1	198.4	198.4	198.4
4°	196.7	197.4	196.7	196.7	196.7
5°	194.6	195.3	194.6	194.6	194.6
6°	192.2	192.6	192.2	192.2	192.2
7°	189.5	189.8	189.5	189.5	189.8
8°	186.0	186.4	186.4	186.0	186.0
9°	182.6	182.9	182.9	182.6	182.9
10°	178.8	179.1	179.1	178.8	178.8
11°	175.0	175.3	174.6	174.6	175.0
12°	170.5	170.9	170.5	170.5	170.5
13°	166.0	166.0	166.0	166.0	166.0
14°	160.9	161.6	161.6	161.2	160.9
15°	156.4	156.7	156.7	156.4	156.7
17.5°	144.3	145.0	144.7	144.7	144.7
20°	132.3	132.6	132.6	132.3	132.3
22.5°	120.9	120.6	120.6	120.6	120.6
25°	109.9	109.5	109.5	109.9	109.5
27.5°	99.2	99.6	99.6	99.2	99.6
30°	89.6	89.6	89.9	89.6	90.3
32.5°	81.0	81.0	80.6	81.0	81.0
35°	72.7	72.7	72.7	72.7	73.0
37.5°	65.1	65.4	65.8	65.8	65.4
40°	58.9	58.9	58.9	58.9	58.9
42.5°	52.7	52.7	53.0	53.0	53.0
45°	47.5	47.5	47.5	47.5	47.5
47.5°	42.7	42.7	42.4	42.4	42.7
50°	37.9	38.2	37.9	37.9	38.2
52.5°	34.1	33.8	33.8	34.1	34.1
55°	30.3	30.3	30.3	30.0	30.3
57.5°	26.9	26.9	26.5	26.5	26.5
60°	23.4	23.4	23.4	23.4	23.4
62.5°	20.7	20.7	20.7	20.7	20.7
65°	17.9	17.9	17.9	17.9	17.9
67.5°	15.5	15.5	15.5	15.5	15.2
70°	13.1	13.1	12.7	12.7	13.1
72.5°	10.7	10.7	10.7	10.7	10.7
75°	9.0	8.6	8.6	8.6	8.6
77.5°	6.9	6.9	6.5	6.9	6.5
80°	4.8	4.8	4.8	4.8	4.8
82.5°	3.4	3.1	3.1	3.1	3.1
85°	1.7	1.7	1.7	1.7	1.7
87.5°	0.3	0.3	0.3	0.3	0.7



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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)