

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: P1312381

Luminaire Tested: LDSQA3D09R259050DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312381
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: LDSQA3D09R259050DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

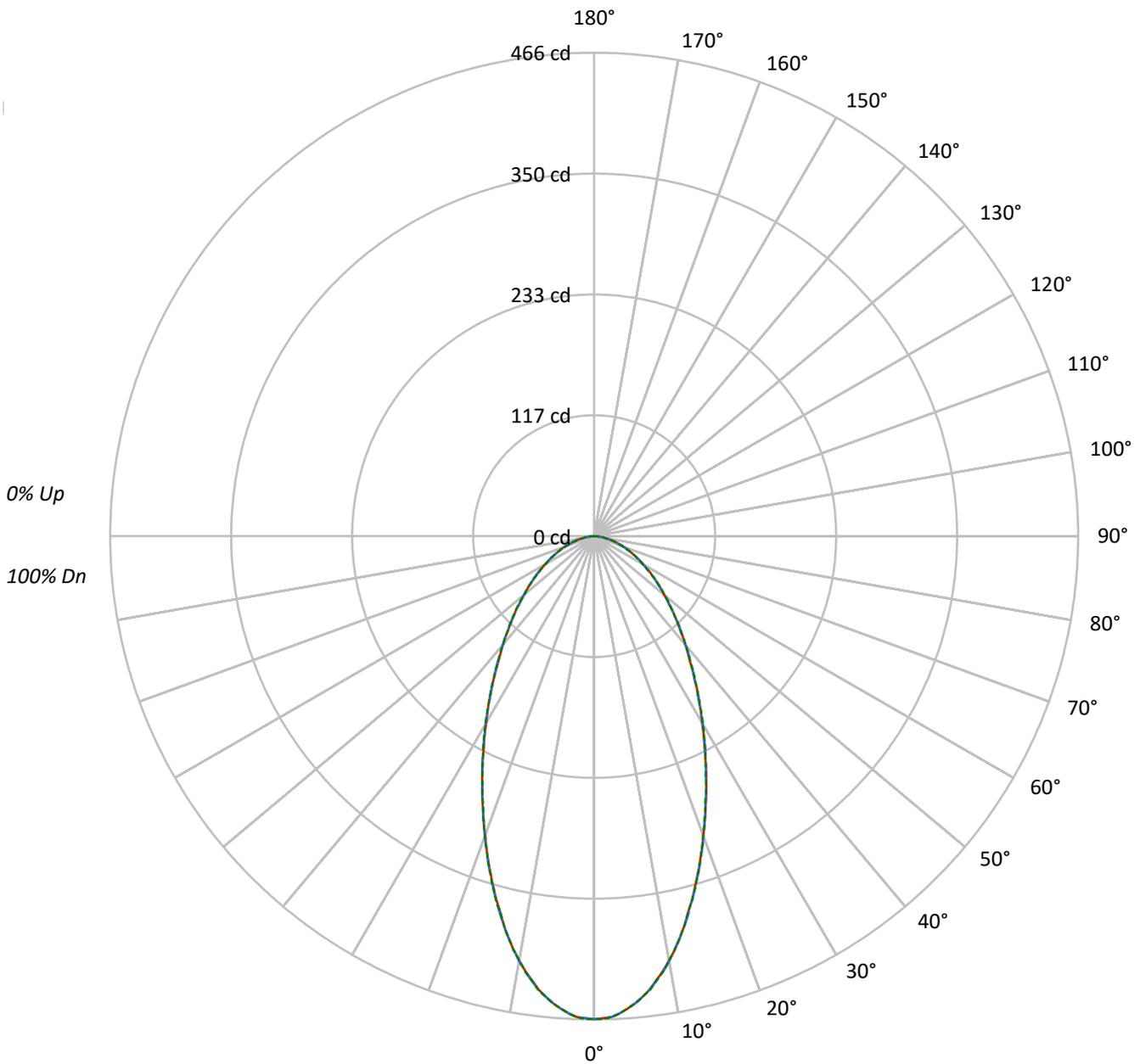
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 582.9 lumens
Efficiency: N/A
Efficacy: 52.5 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): 11.1
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	61
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	45
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	80204	80204	80204
5°	78159	78159	78159
10°	72627	72767	72627
15°	64776	64918	64918
20°	56302	56449	56302
25°	48495	48343	48343
30°	41364	41523	41682
35°	35489	35489	35658
40°	30755	30755	30755
45°	26889	26889	26889
50°	23578	23578	23792
55°	21138	21138	21138
60°	18738	18738	18738
65°	16953	16953	16953
70°	15308	14905	15308
75°	13841	13308	13308
80°	11108	11108	11108
85°	7904	7904	7904

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26889 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	7.2
10°-20°	101.3	17.4
20°-30°	117.1	20.1
30°-40°	106.2	18.2
40°-50°	85.6	14.7
50°-60°	63.0	10.8
60°-70°	41.5	7.1
70°-80°	21.4	3.7
80°-90°	4.8	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°	260.5	44.7
0°-40°	366.6	62.9
0°-60°	515.2	88.4
0°-90°	582.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	582.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	466	466	466	466	466	
5°	452	454	452	452	452	42
15°	363	364	364	363	364	101
25°	255	254	254	255	254	117
35°	169	169	169	169	170	106
45°	110	110	110	110	110	86
55°	70	70	70	70	70	63
65°	42	42	42	42	42	42
75°	21	20	20	20	20	22
85°	4	4	4	4	4	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	465.7	465.7	465.7	465.7	465.7
1°	464.9	466.5	464.9	464.9	465.7
2°	464.1	464.9	464.1	464.1	464.1
3°	460.9	462.5	460.9	460.9	460.9
4°	456.9	458.5	456.9	456.9	456.9
5°	452.1	453.7	452.1	452.1	452.1
6°	446.5	447.3	446.5	446.5	446.5
7°	440.1	440.9	440.1	440.1	440.9
8°	432.1	432.9	432.9	432.1	432.1
9°	424.1	424.9	424.9	424.1	424.9
10°	415.3	416.1	416.1	415.3	415.3
11°	406.5	407.3	405.7	405.7	406.5
12°	396.1	396.9	396.1	396.1	396.1
13°	385.7	385.7	385.7	385.7	385.7
14°	373.7	375.3	375.3	374.5	373.7
15°	363.3	364.1	364.1	363.3	364.1
17.5°	335.2	336.8	336.0	336.0	336.0
20°	307.2	308.0	308.0	307.2	307.2
22.5°	280.8	280.0	280.0	280.0	280.0
25°	255.2	254.4	254.4	255.2	254.4
27.5°	230.4	231.2	231.2	230.4	231.2
30°	208.0	208.0	208.8	208.0	209.6
32.5°	188.0	188.0	187.2	188.0	188.0
35°	168.8	168.8	168.8	168.8	169.6
37.5°	151.2	152.0	152.8	152.8	152.0
40°	136.8	136.8	136.8	136.8	136.8
42.5°	122.4	122.4	123.2	123.2	123.2
45°	110.4	110.4	110.4	110.4	110.4
47.5°	99.2	99.2	98.4	98.4	99.2
50°	88.0	88.8	88.0	88.0	88.8
52.5°	79.2	78.4	78.4	79.2	79.2
55°	70.4	70.4	70.4	69.6	70.4
57.5°	62.4	62.4	61.6	61.6	61.6
60°	54.4	54.4	54.4	54.4	54.4
62.5°	48.0	48.0	48.0	48.0	48.0
65°	41.6	41.6	41.6	41.6	41.6
67.5°	36.0	36.0	36.0	36.0	35.2
70°	30.4	30.4	29.6	29.6	30.4
72.5°	24.8	24.8	24.8	24.8	24.8
75°	20.8	20.0	20.0	20.0	20.0
77.5°	16.0	16.0	15.2	16.0	15.2
80°	11.2	11.2	11.2	11.2	11.2
82.5°	8.0	7.2	7.2	7.2	7.2
85°	4.0	4.0	4.0	4.0	4.0
87.5°	0.8	0.8	0.8	0.8	1.6



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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)