

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: P1317323

Luminaire Tested: LDSQA3D09R259827DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R259827DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

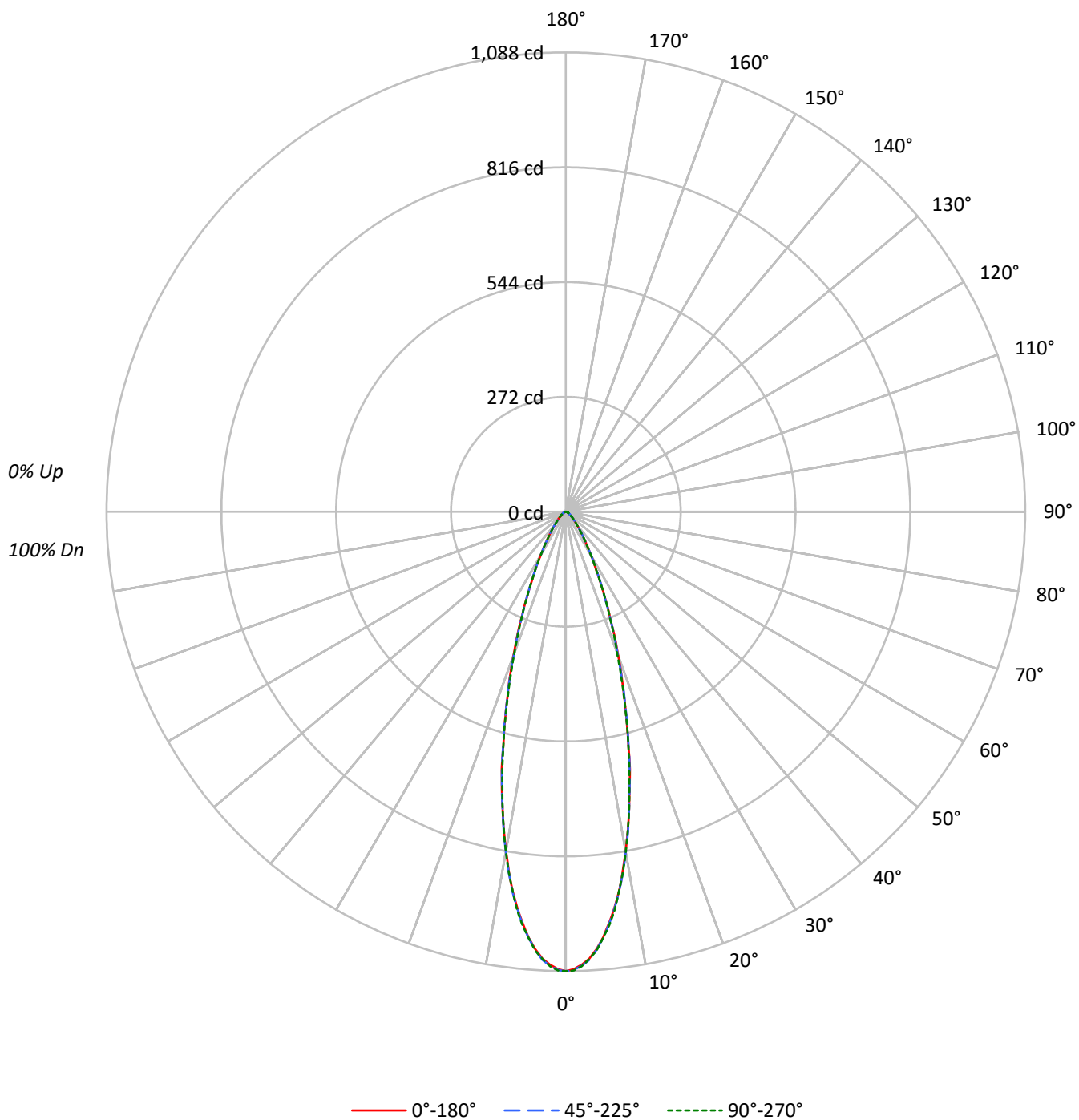
Lumens per Lamp: N/A
Luminaire Lumens: 436.0 lumens
Efficiency: N/A
Efficacy: 39.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	187395	187395	187395
5°	174920	175093	175180
10°	142667	143121	143121
15°	101915	102450	101915
20°	66694	66034	65099
25°	39659	39849	39659
30°	23884	23884	23784
35°	14549	14654	14549
40°	9263	9375	9375
45°	6454	6454	6454
50°	4635	4769	4769
55°	3663	3663	3813
60°	2997	3169	3169
65°	2690	2690	2690
70°	2316	2316	2568
75°	2063	2063	2396
80°	1984	1984	1984
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6454 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.4	20.7
10°-20°	157.6	36.2
20°-30°	99.1	22.7
30°-40°	45.3	10.4
40°-50°	21.2	4.9
50°-60°	11.4	2.6
60°-70°	6.7	1.5
70°-80°	3.5	0.8
80°-90°	0.8	0.2
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°	347.1	79.6
0°-40°	392.4	90.0
0°-60°	425.0	97.5
0°-90°	436.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	436.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1088	1088	1088	1088	1088	
5°	1012	1014	1013	1014	1013	90
15°	572	575	575	576	572	158
25°	209	211	210	210	209	99
35°	69	69	70	70	69	45
45°	26	26	26	26	26	21
55°	12	12	12	13	13	11
65°	7	7	7	7	7	7
75°	3	3	3	4	4	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1088.1	1088.1	1088.1	1088.1	1088.1
1°	1083.6	1084.6	1085.6	1087.1	1086.6
2°	1073.4	1075.4	1075.9	1078.0	1077.4
3°	1059.6	1059.1	1063.2	1063.2	1060.7
4°	1038.3	1039.3	1040.3	1041.3	1041.8
5°	1011.8	1013.8	1012.8	1013.8	1013.3
6°	979.2	982.3	981.8	982.8	984.3
7°	944.6	946.6	946.6	945.6	949.7
8°	907.0	905.4	908.0	907.0	906.4
9°	862.2	865.2	865.7	863.2	864.2
10°	815.8	817.9	818.4	819.9	818.4
11°	770.0	770.0	771.1	773.6	769.5
12°	720.2	724.7	720.2	722.2	720.2
13°	672.8	673.9	672.8	672.3	668.8
14°	628.0	624.5	625.5	621.4	621.9
15°	571.6	575.1	574.6	575.6	571.6
17.5°	459.6	461.6	461.1	460.1	455.0
20°	363.9	363.9	360.3	358.3	355.2
22.5°	277.9	276.9	275.3	273.8	274.8
25°	208.7	211.2	209.7	209.7	208.7
27.5°	157.8	160.8	158.3	156.8	157.8
30°	120.1	121.1	120.1	119.6	119.6
32.5°	90.6	91.1	90.6	90.6	90.6
35°	69.2	69.2	69.7	69.7	69.2
37.5°	53.4	53.4	53.4	53.4	53.9
40°	41.2	41.7	41.7	41.7	41.7
42.5°	32.6	33.1	33.1	33.1	33.1
45°	26.5	26.5	26.5	26.5	26.5
47.5°	21.4	21.4	21.4	21.4	21.9
50°	17.3	17.8	17.8	17.8	17.8
52.5°	14.8	14.8	14.8	14.8	14.8
55°	12.2	12.2	12.2	12.7	12.7
57.5°	10.2	10.2	10.7	10.7	10.7
60°	8.7	9.2	9.2	9.2	9.2
62.5°	7.6	7.6	8.1	8.1	8.1
65°	6.6	6.6	6.6	6.6	6.6
67.5°	5.6	5.6	5.6	5.6	6.1
70°	4.6	4.6	4.6	5.1	5.1
72.5°	4.1	4.1	4.1	4.1	4.1
75°	3.1	3.1	3.1	3.6	3.6
77.5°	2.5	2.5	2.5	2.5	2.5
80°	2.0	2.0	2.0	2.0	2.0
82.5°	1.0	1.0	1.5	1.5	1.5
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0



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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)