

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: P1311299

Luminaire Tested: LDSQA3D09R259040DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311299
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R259040DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

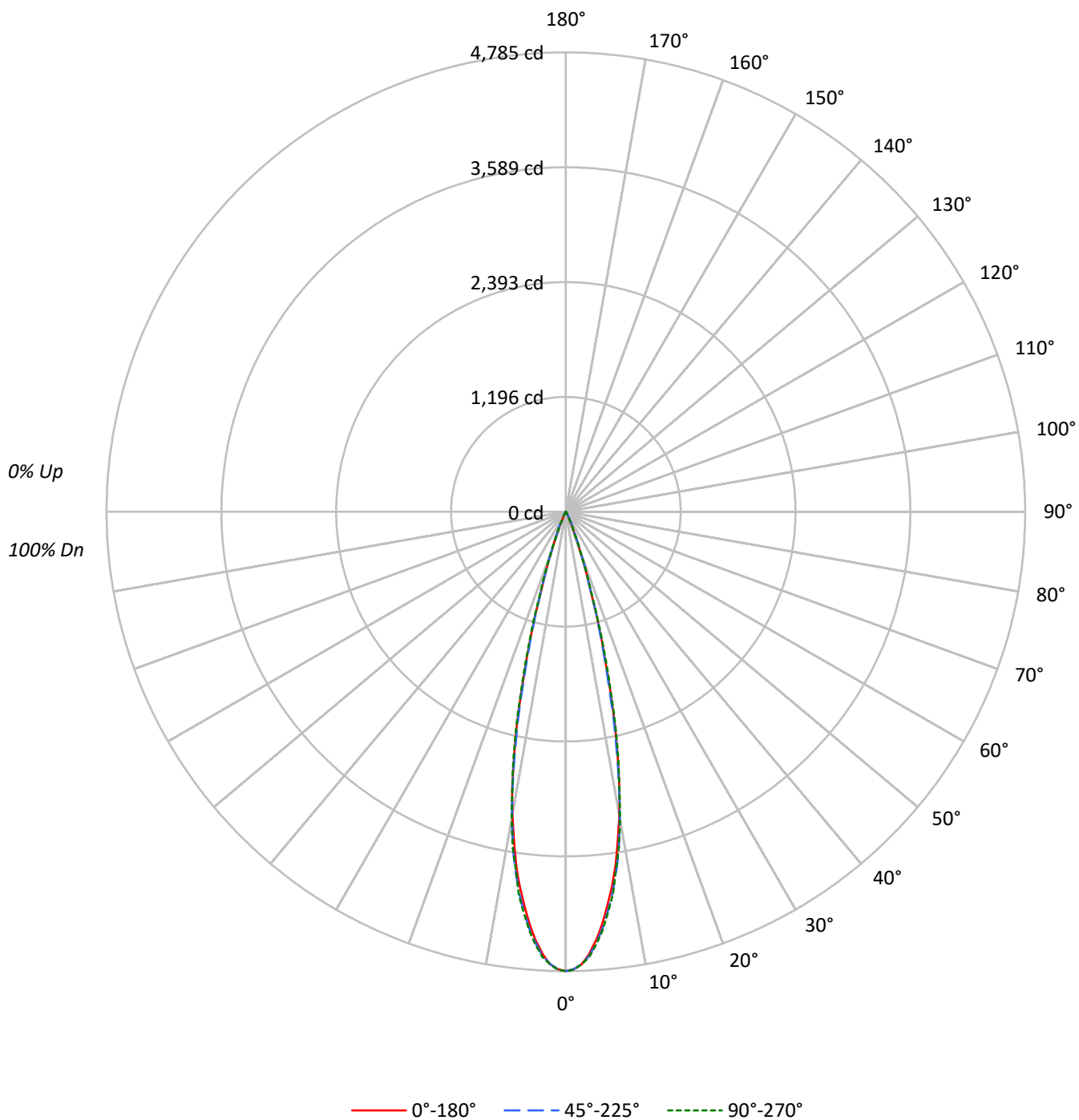
Lumens per Lamp: N/A
Luminaire Lumens: 883.0 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



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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	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97
4	106	101	98	95	105	100	97	95	99	96	94		97	94	93		95
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		91
7	99	93	89	87	98	93	89	87	92	89	86		91	88	86		90
8	97	91	87	85	96	90	87	85	90	86	84		89	86	84		88
9	95	89	85	83	94	88	85	83	88	85	82		87	84	82		86
10	93	87	83	81	92	86	83	81	86	83	81		85	82	80		85

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	824016	824016	824016
5°	746705	753517	757199
10°	561346	565333	567956
15°	277949	269658	287630
20°	78497	79798	80660
25°	13606	25730	16152
30°	5330	5489	5628
35°	1661	1829	1829
40°	540	697	540
45°	390	195	390
50°	214	0	214
55°	240	0	240
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 390 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	380.1	43.0
10°-20°	428.6	48.5
20°-30°	66.5	7.5
30°-40°	6.7	0.8
40°-50°	0.9	0.1
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	875.2	99.1
0°-40°	881.9	99.9
0°-60°	883.0	100.0
0°-90°	883.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	883.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4785	4785	4785	4785	4785	
5°	4319	4327	4359	4376	4380	376
15°	1559	1548	1512	1580	1613	427
25°	72	106	135	103	85	60
35°	8	9	9	9	9	6
45°	2	1	1	1	2	1
55°	1	0	0	0	1	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4784.6	4784.6	4784.6	4784.6	4784.6
1°	4764.9	4771.2	4764.1	4772.0	4771.2
2°	4715.3	4721.6	4712.9	4717.6	4717.6
3°	4613.7	4627.1	4635.0	4640.5	4645.2
4°	4479.9	4494.8	4506.6	4520.8	4520.8
5°	4319.2	4327.1	4358.6	4375.9	4379.9
6°	4127.9	4159.4	4183.0	4217.7	4196.4
7°	3936.6	3962.6	3995.7	4001.2	4016.1
8°	3719.3	3746.9	3777.6	3772.1	3759.5
9°	3454.8	3494.9	3531.1	3519.3	3535.1
10°	3209.9	3234.3	3232.7	3220.9	3247.7
11°	2925.7	2931.2	2900.5	2948.5	2919.4
12°	2588.7	2593.4	2554.1	2601.3	2631.2
13°	2265.9	2254.9	2200.6	2262.8	2300.6
14°	1894.3	1898.2	1828.9	1949.4	1940.0
15°	1558.9	1547.9	1512.4	1580.2	1613.2
17.5°	830.6	837.7	829.0	862.9	884.2
20°	428.3	440.1	435.4	449.6	440.1
22.5°	222.0	238.6	243.3	232.3	202.3
25°	71.6	106.3	135.4	103.1	85.0
27.5°	43.3	42.5	66.1	45.7	46.5
30°	26.8	26.0	27.6	27.6	28.3
32.5°	15.0	15.7	15.0	16.5	15.7
35°	7.9	8.7	8.7	9.4	8.7
37.5°	4.7	5.5	5.5	5.5	4.7
40°	2.4	3.1	3.1	2.4	2.4
42.5°	1.6	1.6	1.6	1.6	1.6
45°	1.6	0.8	0.8	0.8	1.6
47.5°	0.8	0.8	0.0	0.8	0.8
50°	0.8	0.8	0.0	0.8	0.8
52.5°	0.8	0.0	0.0	0.0	0.8
55°	0.8	0.0	0.0	0.0	0.8
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)