

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: P1312377

Luminaire Tested: LDSQA3D09R259050DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312377
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: LDSQA3D09R259050DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

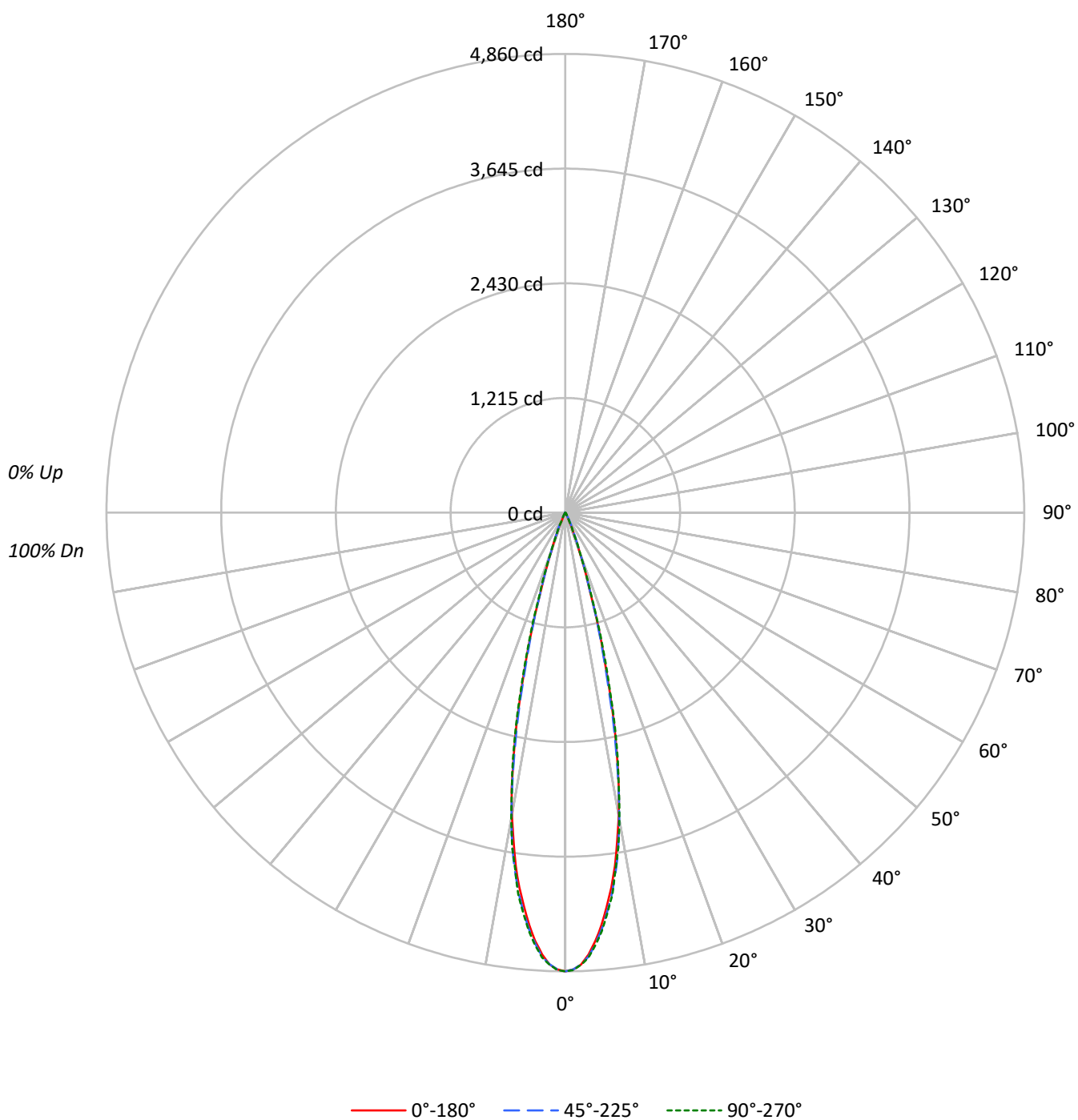
Lumens per Lamp: N/A
Luminaire Lumens: 897.0 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	837071	837071	837071
5°	758548	765463	769197
10°	570247	574304	576962
15°	282353	273937	292195
20°	79743	81063	81942
25°	13834	26148	16418
30°	5409	5568	5727
35°	1682	1850	1850
40°	540	719	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°	386.1	43.0
10°-20°	435.4	48.5
20°-30°	67.5	7.5
30°-40°	6.8	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°	889.1	99.1
0°-40°	895.9	99.9
0°-60°	897.0	100.0
0°-90°	897.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	897.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4860	4860	4860	4860	4860	
5°	4388	4396	4428	4445	4449	382
15°	1584	1572	1536	1605	1639	434
25°	73	108	138	105	86	61
35°	8	9	9	10	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°	4860.4	4860.4	4860.4	4860.4	4860.4
1°	4840.4	4846.8	4839.6	4847.6	4846.8
2°	4790.0	4796.4	4787.6	4792.4	4792.4
3°	4686.9	4700.5	4708.5	4714.0	4718.8
4°	4550.9	4566.1	4578.1	4592.5	4592.5
5°	4387.7	4395.7	4427.7	4445.3	4449.3
6°	4193.4	4225.4	4249.4	4284.6	4263.0
7°	3999.0	4025.4	4059.0	4064.6	4079.8
8°	3778.3	3806.3	3837.5	3831.9	3819.1
9°	3509.5	3550.3	3587.1	3575.1	3591.1
10°	3260.8	3285.6	3284.0	3272.0	3299.2
11°	2972.1	2977.7	2946.5	2995.3	2965.7
12°	2629.8	2634.6	2594.6	2642.6	2672.9
13°	2301.8	2290.6	2235.5	2298.6	2337.0
14°	1924.3	1928.3	1857.9	1980.3	1970.7
15°	1583.6	1572.4	1536.4	1605.2	1638.8
17.5°	843.8	851.0	842.2	876.6	898.2
20°	435.1	447.1	442.3	456.7	447.1
22.5°	225.5	242.3	247.1	235.9	205.5
25°	72.8	108.0	137.6	104.8	86.4
27.5°	44.0	43.2	67.2	46.4	47.2
30°	27.2	26.4	28.0	28.0	28.8
32.5°	15.2	16.0	15.2	16.8	16.0
35°	8.0	8.8	8.8	9.6	8.8
37.5°	4.8	5.6	5.6	5.6	4.8
40°	2.4	3.2	3.2	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)