

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: P1312702

Luminaire Tested: LDSQA3D17R259050DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312702
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: LDSQA3D17R259050DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

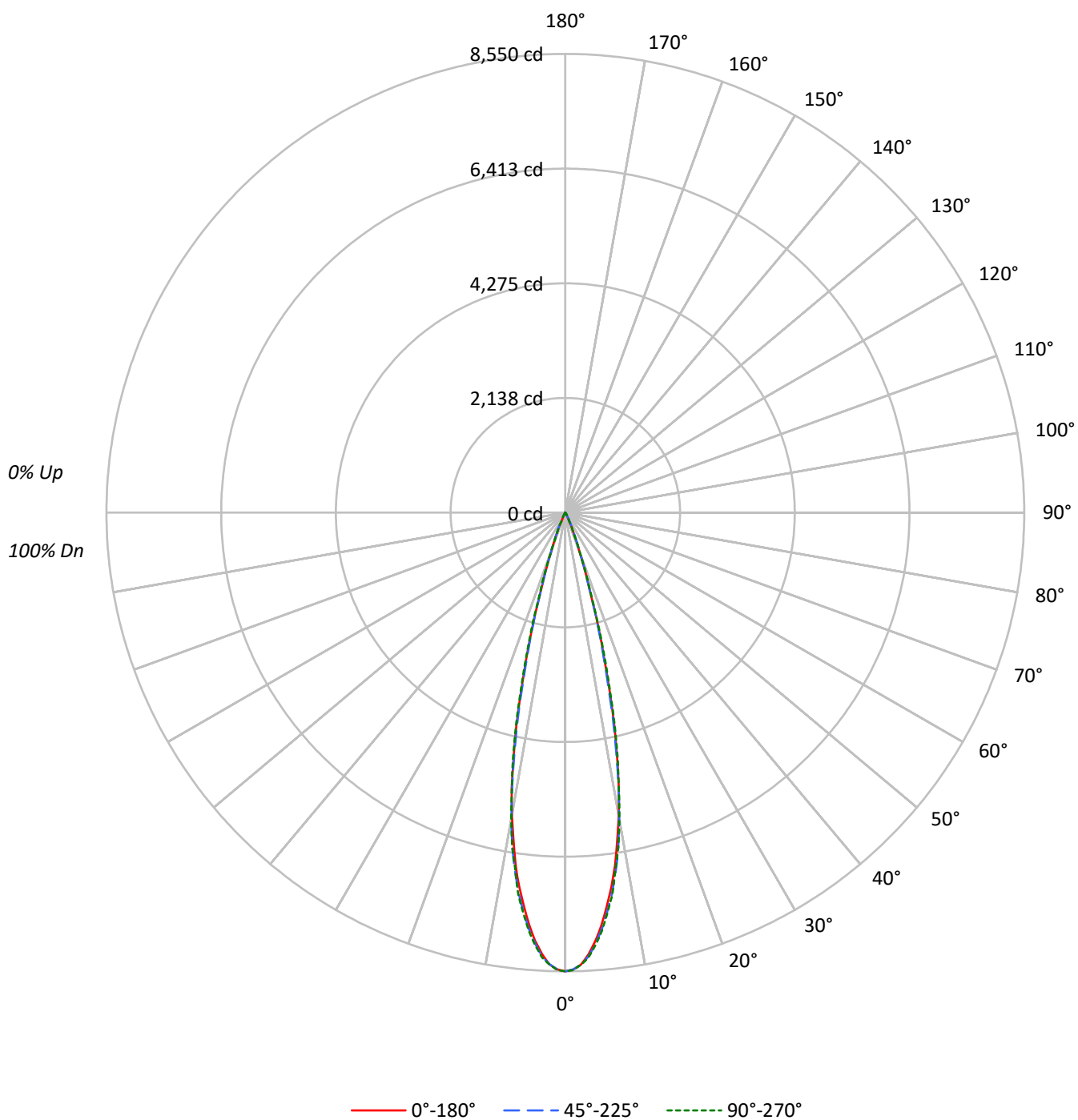
Lumens per Lamp: N/A
Luminaire Lumens: 1578.0 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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°	1472572	1472572	1472572
5°	1334447	1346601	1353170
10°	1003178	1010314	1014983
15°	496720	481922	514033
20°	140279	142607	144146
25°	24323	45986	28884
30°	9506	9784	10082
35°	2964	3259	3259
40°	944	1259	944
45°	682	341	682
50°	375	0	375
55°	420	0	420
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: 682 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	679.2	43.0
10°-20°	766.0	48.5
20°-30°	118.8	7.5
30°-40°	12.0	0.8
40°-50°	1.6	0.1
50°-60°	0.3	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°	1564.1	99.1
0°-40°	1576.1	99.9
0°-60°	1578.0	100.0
0°-90°	1578.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1578.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8550	8550	8550	8550	8550	
5°	7719	7733	7789	7820	7827	673
15°	2786	2766	2703	2824	2883	763
25°	128	190	242	184	152	107
35°	14	16	16	17	16	11
45°	3	1	1	1	3	2
55°	1	0	0	0	1	1
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°	8550.4	8550.4	8550.4	8550.4	8550.4
1°	8515.3	8526.5	8513.8	8527.9	8526.5
2°	8426.6	8437.9	8422.4	8430.8	8430.8
3°	8245.1	8269.0	8283.1	8292.9	8301.4
4°	8005.9	8032.6	8053.7	8079.1	8079.1
5°	7718.9	7733.0	7789.2	7820.2	7827.2
6°	7377.0	7433.3	7475.5	7537.4	7499.4
7°	7035.1	7081.5	7140.6	7150.4	7177.2
8°	6646.7	6696.0	6750.9	6741.0	6718.5
9°	6174.0	6245.7	6310.5	6289.4	6317.5
10°	5736.4	5780.0	5777.2	5756.1	5803.9
11°	5228.5	5238.3	5183.4	5269.3	5217.2
12°	4626.3	4634.7	4564.4	4648.8	4702.2
13°	4049.4	4029.7	3932.6	4043.8	4111.3
14°	3385.3	3392.3	3268.5	3483.8	3466.9
15°	2785.9	2766.2	2702.9	2823.9	2883.0
17.5°	1484.4	1497.1	1481.6	1542.1	1580.1
20°	765.4	786.5	778.1	803.4	786.5
22.5°	396.8	426.3	434.8	415.1	361.6
25°	128.0	189.9	242.0	184.3	152.0
27.5°	77.4	76.0	118.2	81.6	83.0
30°	47.8	46.4	49.2	49.2	50.7
32.5°	26.7	28.1	26.7	29.5	28.1
35°	14.1	15.5	15.5	16.9	15.5
37.5°	8.4	9.8	9.8	9.8	8.4
40°	4.2	5.6	5.6	4.2	4.2
42.5°	2.8	2.8	2.8	2.8	2.8
45°	2.8	1.4	1.4	1.4	2.8
47.5°	1.4	1.4	0.0	1.4	1.4
50°	1.4	1.4	0.0	1.4	1.4
52.5°	1.4	0.0	0.0	0.0	1.4
55°	1.4	0.0	0.0	0.0	1.4
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)