

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: P1317156

Luminaire Tested: LDSQA3D05R209827DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R209827DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

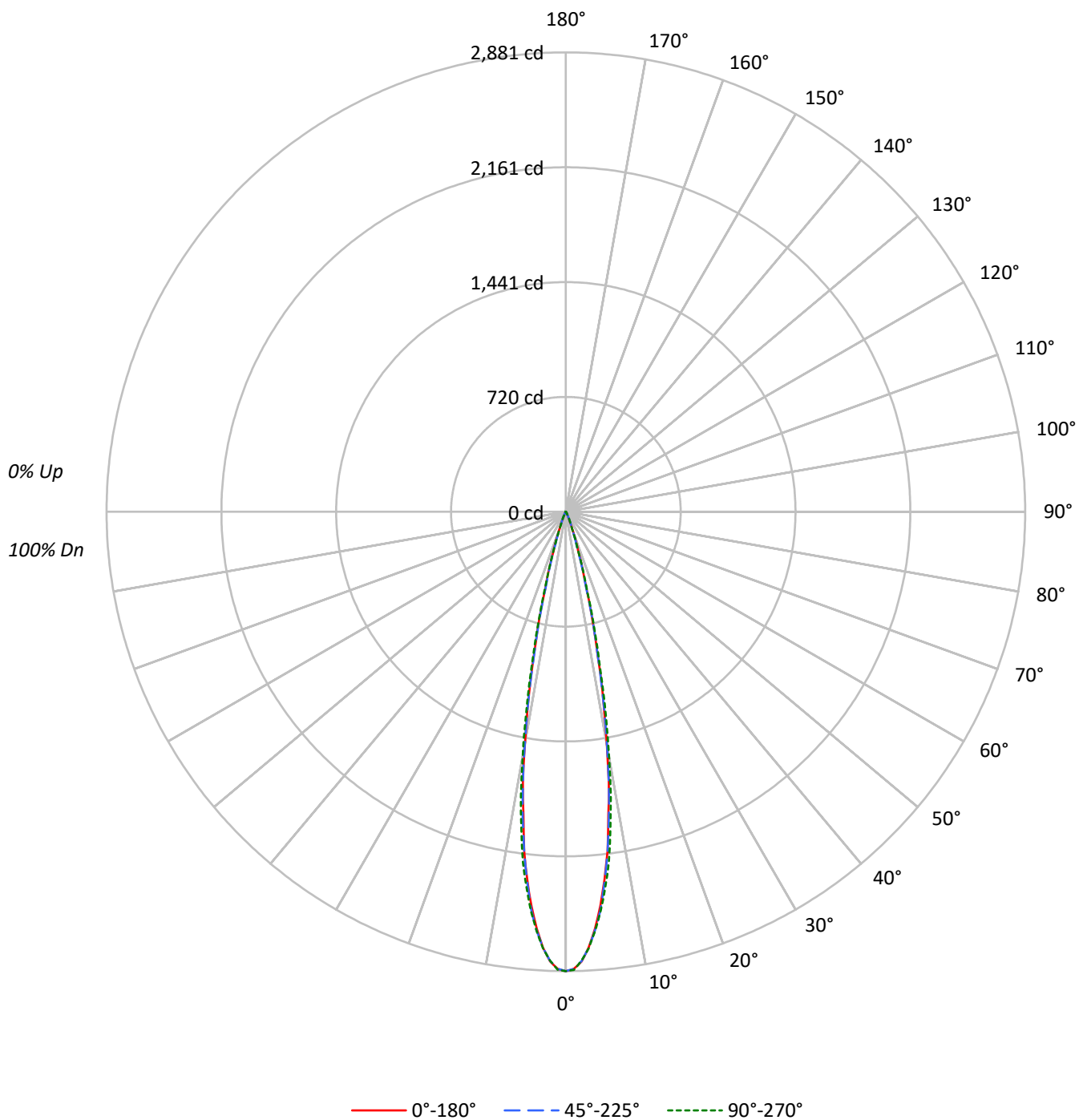
Lumens per Lamp: N/A
Luminaire Lumens: 387.0 lumens
Efficiency: N/A
Efficacy: 53.7 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	496225	496225	496225
5°	428692	432685	434293
10°	258070	260483	273442
15°	89256	87170	94124
20°	23441	22048	22121
25°	5112	6157	7012
30°	2188	2188	2267
35°	1240	1093	1156
40°	540	629	697
45°	170	244	244
50°	80	80	80
55°	0	0	0
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: 22.5°

Vertical Angle: 45°

Luminance: 244 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.1	53.3
10°-20°	156.9	40.5
20°-30°	19.4	5.0
30°-40°	3.7	0.9
40°-50°	0.9	0.2
50°-60°	0.0	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°	382.4	98.8
0°-40°	386.1	99.8
0°-60°	387.0	100.0
0°-90°	387.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	387.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2881	2881	2881	2881	2881	
5°	2480	2478	2503	2501	2512	205
15°	501	483	489	518	528	157
25°	27	31	32	34	37	19
35°	6	6	5	6	6	4
45°	1	1	1	1	1	1
55°	0	0	0	0	0	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°	2881.3	2881.3	2881.3	2881.3	2881.3
1°	2867.9	2864.4	2867.2	2861.3	2873.4
2°	2822.0	2818.6	2818.6	2815.1	2816.9
3°	2736.5	2742.0	2738.6	2731.3	2740.7
4°	2620.0	2626.2	2631.7	2632.1	2633.4
5°	2479.7	2477.9	2502.8	2501.0	2512.1
6°	2319.7	2317.6	2328.3	2346.2	2368.3
7°	2143.8	2118.7	2147.3	2183.5	2213.1
8°	1916.3	1922.8	1942.5	1985.2	2009.0
9°	1723.2	1684.9	1726.7	1777.7	1803.5
10°	1475.7	1444.6	1489.5	1543.2	1563.6
12.5°	928.8	901.9	916.4	973.0	981.9
15°	500.6	482.7	488.9	518.2	527.9
17.5°	255.5	239.3	235.8	254.4	256.5
20°	127.9	124.1	120.3	122.1	120.7
22.5°	59.3	64.5	63.8	60.3	64.5
25°	26.9	30.7	32.4	33.8	36.9
27.5°	16.5	15.9	18.3	19.7	20.0
30°	11.0	10.7	11.0	11.4	11.4
32.5°	7.9	7.6	7.2	7.2	7.6
35°	5.9	5.9	5.2	5.5	5.5
37.5°	4.1	4.1	3.8	4.1	4.1
40°	2.4	2.8	2.8	2.8	3.1
42.5°	1.4	1.7	1.7	1.7	1.7
45°	0.7	1.0	1.0	1.0	1.0
47.5°	0.3	0.3	0.3	0.7	0.7
50°	0.3	0.3	0.3	0.3	0.3
52.5°	0.3	0.0	0.0	0.0	0.3
55°	0.0	0.0	0.0	0.0	0.0
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)