

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: P1308890

Luminaire Tested: LDSQA3D05R209030DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308890
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: LDSQA3D05R209030DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

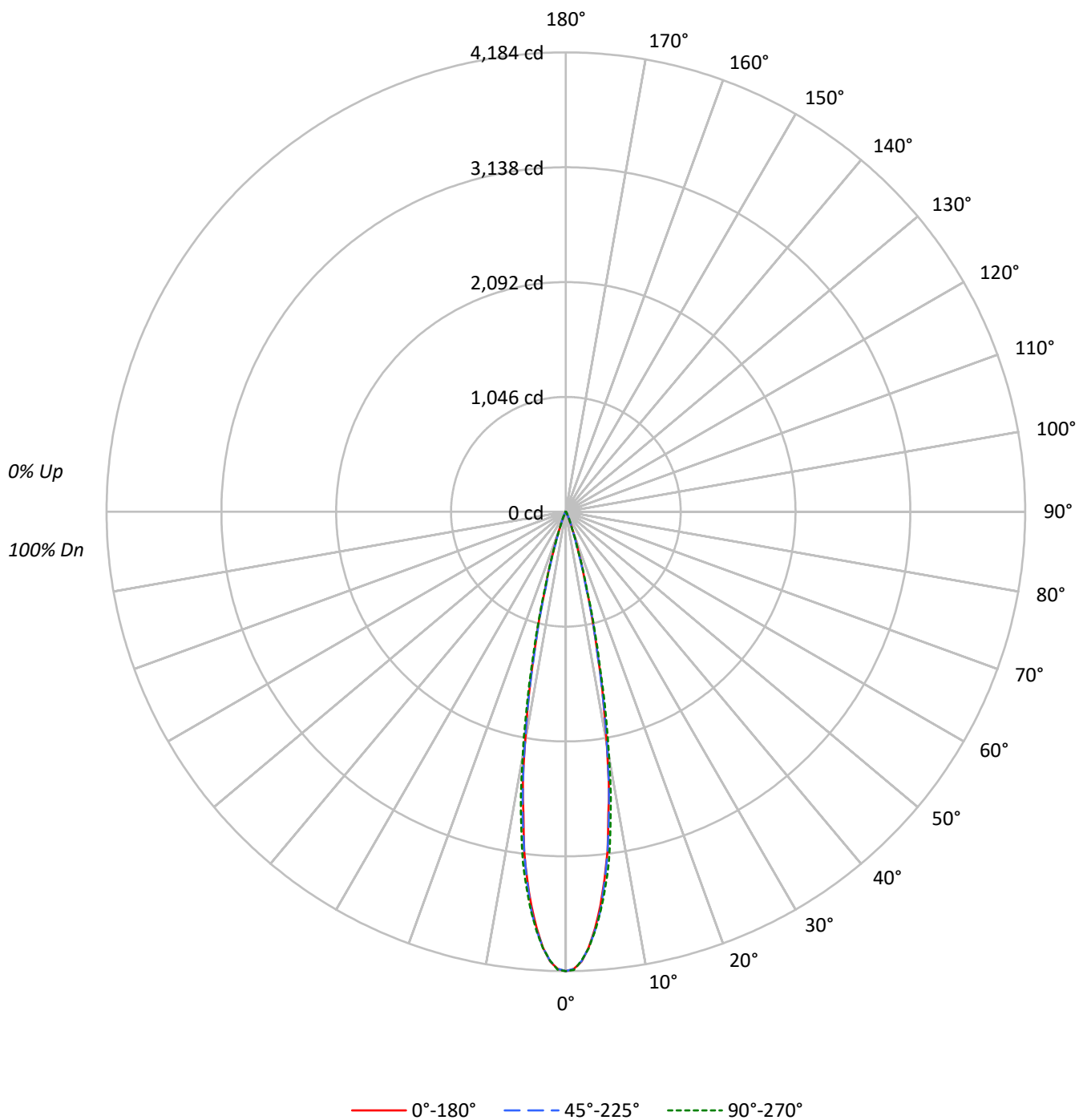
Lumens per Lamp: N/A
Luminaire Lumens: 562.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	720631	720631	720631
5°	622543	628334	630668
10°	374749	378264	397081
15°	129623	126592	136683
20°	34053	32018	32110
25°	7430	8950	10185
30°	3182	3182	3281
35°	1787	1577	1682
40°	787	899	1012
45°	244	365	365
50°	134	134	134
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: 365 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.3	53.3
10°-20°	227.9	40.5
20°-30°	28.2	5.0
30°-40°	5.3	0.9
40°-50°	1.3	0.2
50°-60°	0.1	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°	555.3	98.8
0°-40°	560.6	99.8
0°-60°	562.0	100.0
0°-90°	562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	562.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4184	4184	4184	4184	4184	
5°	3601	3598	3634	3632	3648	297
15°	727	701	710	752	767	228
25°	39	45	47	49	54	27
35°	8	8	8	8	8	5
45°	1	2	2	2	2	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°	4184.3	4184.3	4184.3	4184.3	4184.3
1°	4164.7	4159.7	4163.7	4155.2	4172.7
2°	4098.1	4093.1	4093.1	4088.1	4090.6
3°	3974.0	3982.0	3977.0	3966.5	3980.0
4°	3804.7	3813.7	3821.8	3822.3	3824.3
5°	3601.0	3598.4	3634.5	3632.0	3648.0
6°	3368.6	3365.6	3381.2	3407.2	3439.2
7°	3113.3	3076.7	3118.3	3170.9	3213.9
8°	2782.8	2792.3	2820.9	2883.0	2917.5
9°	2502.4	2446.9	2507.4	2581.6	2619.1
10°	2142.9	2097.9	2163.0	2241.1	2270.6
12.5°	1348.9	1309.8	1330.8	1412.9	1426.0
15°	727.0	701.0	710.0	752.5	766.6
17.5°	371.0	347.5	342.5	369.5	372.5
20°	185.8	180.2	174.7	177.2	175.2
22.5°	86.1	93.6	92.6	87.6	93.6
25°	39.1	44.6	47.1	49.1	53.6
27.5°	24.0	23.0	26.5	28.5	29.0
30°	16.0	15.5	16.0	16.5	16.5
32.5°	11.5	11.0	10.5	10.5	11.0
35°	8.5	8.5	7.5	8.0	8.0
37.5°	6.0	6.0	5.5	6.0	6.0
40°	3.5	4.0	4.0	4.0	4.5
42.5°	2.0	2.5	2.5	2.5	2.5
45°	1.0	1.5	1.5	1.5	1.5
47.5°	0.5	0.5	0.5	1.0	1.0
50°	0.5	0.5	0.5	0.5	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
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)