

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: P1324019

Luminaire Tested: LDSQA3D17R209030D2WDE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324019
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: LDSQA3D17R209030D2WDE010 3LSQPHR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

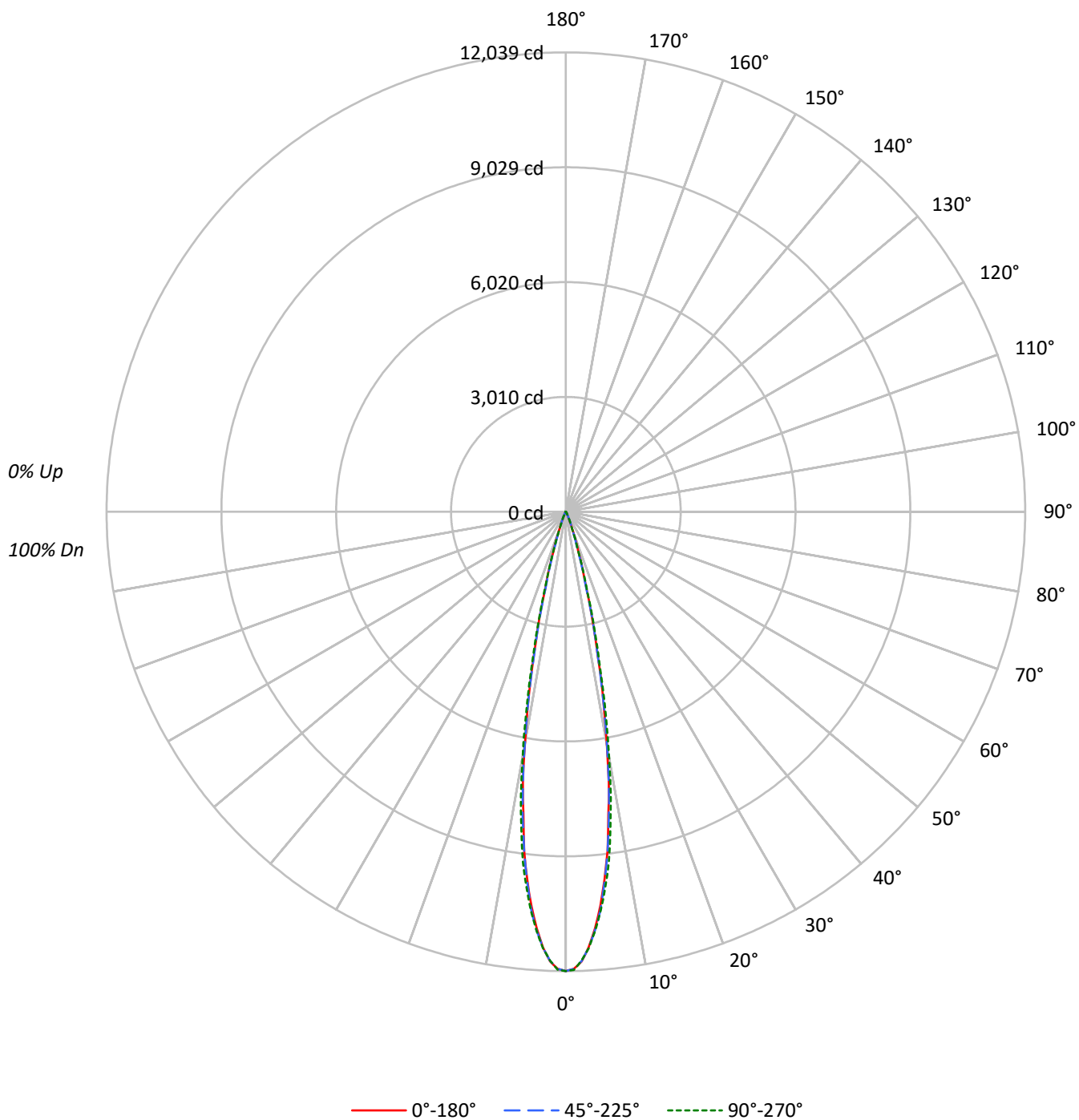
Lumens per Lamp: N/A
Luminaire Lumens: 1617.0 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.3
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°	2073388	2073388	2073388
5°	1791163	1807863	1814588
10°	1078254	1088345	1142505
15°	372946	364227	393236
20°	97961	92151	92408
25°	21359	25730	29283
30°	9168	9168	9446
35°	5151	4541	4836
40°	2271	2585	2923
45°	706	1047	1047
50°	375	375	375
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: 1047 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	861.1	53.3
10°-20°	655.6	40.5
20°-30°	81.1	5.0
30°-40°	15.3	0.9
40°-50°	3.7	0.2
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°	1597.7	98.8
0°-40°	1613.1	99.8
0°-60°	1617.0	100.0
0°-90°	1617.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1617.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12039	12039	12039	12039	12039	
5°	10361	10354	10457	10450	10496	854
15°	2092	2017	2043	2165	2206	655
25°	112	128	135	141	154	77
35°	24	24	22	23	23	16
45°	3	4	4	4	4	3
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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12039.0	12039.0	12039.0	12039.0	12039.0
1°	11982.9	11968.5	11980.0	11955.5	12005.9
2°	11791.3	11776.9	11776.9	11762.4	11769.6
3°	11434.0	11457.0	11442.6	11412.4	11451.3
4°	10947.1	10973.0	10996.0	10997.5	11003.3
5°	10360.7	10353.5	10457.3	10450.1	10496.2
6°	9692.3	9683.7	9728.3	9803.2	9895.4
7°	8957.6	8852.4	8972.0	9123.3	9247.2
8°	8006.8	8034.2	8116.3	8294.9	8394.3
9°	7200.1	7040.2	7214.5	7427.7	7535.7
10°	6165.7	6036.1	6223.4	6448.1	6533.1
12.5°	3881.0	3768.6	3829.1	4065.4	4102.8
15°	2091.7	2016.8	2042.8	2165.2	2205.5
17.5°	1067.5	999.8	985.4	1063.2	1071.8
20°	534.5	518.6	502.8	510.0	504.2
22.5°	247.8	269.4	266.5	252.1	269.4
25°	112.4	128.2	135.4	141.2	154.1
27.5°	69.1	66.3	76.4	82.1	83.6
30°	46.1	44.7	46.1	47.5	47.5
32.5°	33.1	31.7	30.3	30.3	31.7
35°	24.5	24.5	21.6	23.0	23.0
37.5°	17.3	17.3	15.8	17.3	17.3
40°	10.1	11.5	11.5	11.5	13.0
42.5°	5.8	7.2	7.2	7.2	7.2
45°	2.9	4.3	4.3	4.3	4.3
47.5°	1.4	1.4	1.4	2.9	2.9
50°	1.4	1.4	1.4	1.4	1.4
52.5°	1.4	0.0	0.0	0.0	1.4
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)