

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: P1318471

Luminaire Tested: LDSQA3D17R209830DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318471
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: LDSQA3D17R209830DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

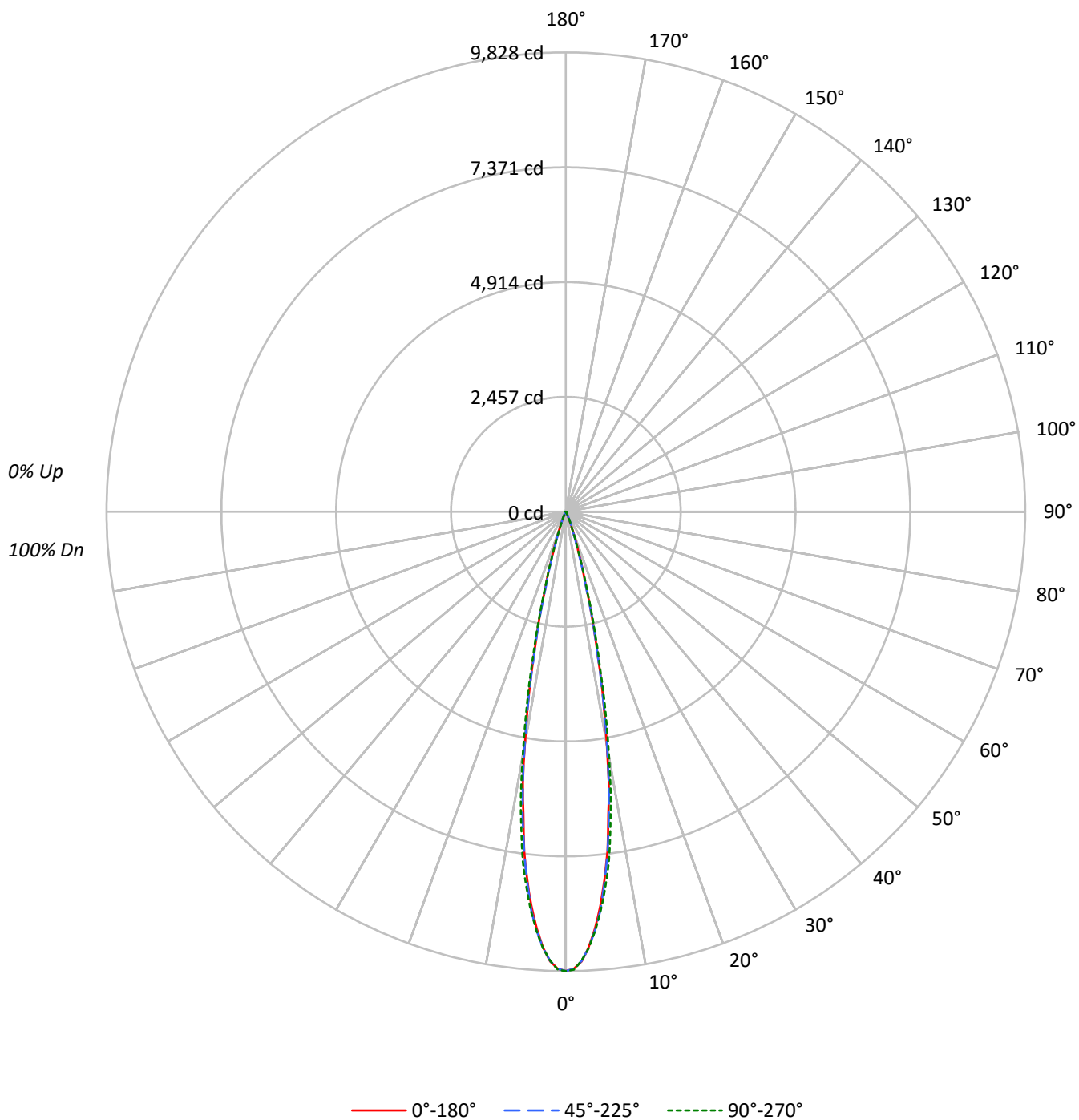
Lumens per Lamp: N/A
Luminaire Lumens: 1320.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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°	1692570	1692570	1692570
5°	1462189	1475794	1481292
10°	880221	888440	932650
15°	304444	297330	321008
20°	79963	75216	75436
25°	17425	20998	23905
30°	7477	7477	7716
35°	4205	3700	3953
40°	1844	2113	2383
45°	585	852	852
50°	322	322	322
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: 852 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	702.9	53.3
10°-20°	535.2	40.5
20°-30°	66.2	5.0
30°-40°	12.5	0.9
40°-50°	3.0	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°	1304.3	98.8
0°-40°	1316.8	99.8
0°-60°	1320.0	100.0
0°-90°	1320.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1320.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9828	9828	9828	9828	9828	
5°	8458	8452	8536	8531	8568	698
15°	1708	1646	1668	1768	1800	535
25°	92	105	110	115	126	63
35°	20	20	18	19	19	13
45°	2	4	4	4	4	2
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°	9827.8	9827.8	9827.8	9827.8	9827.8
1°	9781.9	9770.2	9779.6	9759.6	9800.7
2°	9625.5	9613.8	9613.8	9602.0	9607.9
3°	9333.9	9352.7	9340.9	9316.2	9348.0
4°	8936.4	8957.6	8976.4	8977.5	8982.2
5°	8457.8	8451.9	8536.5	8530.7	8568.3
6°	7912.1	7905.0	7941.5	8002.6	8077.9
7°	7312.3	7226.5	7324.1	7447.6	7548.7
8°	6536.2	6558.5	6625.6	6771.4	6852.5
9°	5877.6	5747.1	5889.4	6063.4	6151.6
10°	5033.3	4927.4	5080.3	5263.8	5333.1
12.5°	3168.1	3076.4	3125.8	3318.7	3349.2
15°	1707.5	1646.4	1667.6	1767.5	1800.4
17.5°	871.4	816.1	804.4	867.9	874.9
20°	436.3	423.4	410.4	416.3	411.6
22.5°	202.3	219.9	217.6	205.8	219.9
25°	91.7	104.7	110.5	115.2	125.8
27.5°	56.4	54.1	62.3	67.0	68.2
30°	37.6	36.5	37.6	38.8	38.8
32.5°	27.0	25.9	24.7	24.7	25.9
35°	20.0	20.0	17.6	18.8	18.8
37.5°	14.1	14.1	12.9	14.1	14.1
40°	8.2	9.4	9.4	9.4	10.6
42.5°	4.7	5.9	5.9	5.9	5.9
45°	2.4	3.5	3.5	3.5	3.5
47.5°	1.2	1.2	1.2	2.4	2.4
50°	1.2	1.2	1.2	1.2	1.2
52.5°	1.2	0.0	0.0	0.0	1.2
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)