

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: P1308271

Luminaire Tested: LDSQA3D17R259027DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308271
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: LDSQA3D17R259027DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

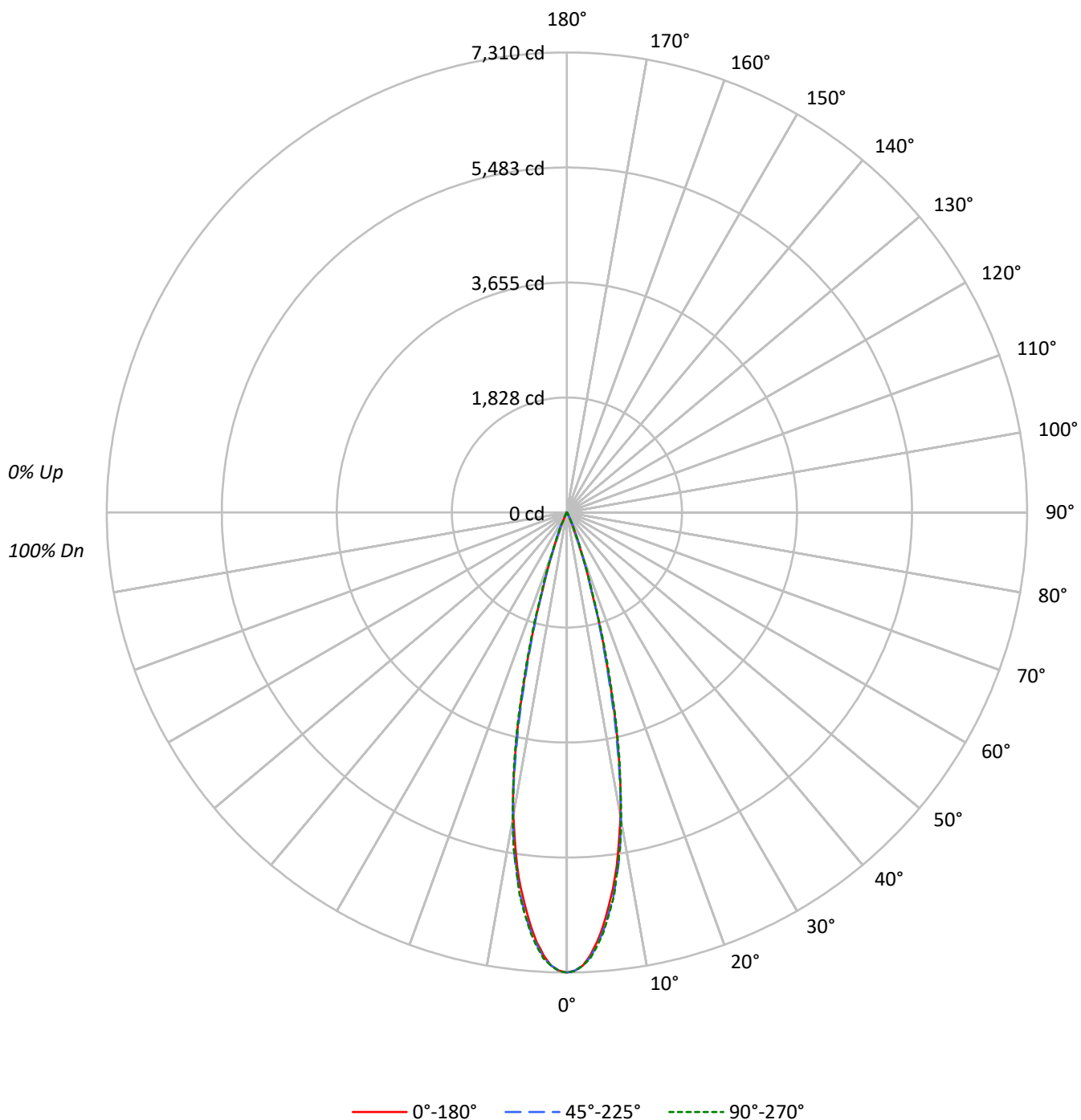
Lumens per Lamp: N/A
Luminaire Lumens: 1349.0 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					0
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	100	100	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	88	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86	86	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	86	84	83	83	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1258879	1258879	1258879
5°	1140787	1151194	1156795
10°	857591	863695	867699
15°	424635	411975	439433
20°	119917	121915	123234
25°	20808	39317	24684
30°	8134	8372	8611
35°	2523	2775	2775
40°	809	1079	809
45°	585	292	585
50°	322	0	322
55°	360	0	360
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: 585 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	580.7	43.0
10°-20°	654.8	48.5
20°-30°	101.6	7.5
30°-40°	10.3	0.8
40°-50°	1.4	0.1
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°	1337.1	99.1
0°-40°	1347.4	99.9
0°-60°	1349.0	100.0
0°-90°	1349.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1349.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7310	7310	7310	7310	7310	
5°	6599	6611	6659	6685	6691	575
15°	2382	2365	2311	2414	2465	652
25°	110	162	207	158	130	92
35°	12	13	13	14	13	10
45°	2	1	1	1	2	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°	7309.6	7309.6	7309.6	7309.6	7309.6
1°	7279.5	7289.1	7278.3	7290.3	7289.1
2°	7203.7	7213.4	7200.1	7207.3	7207.3
3°	7048.6	7069.0	7081.0	7089.5	7096.7
4°	6844.1	6866.9	6885.0	6906.6	6906.6
5°	6598.7	6610.7	6658.9	6685.3	6691.3
6°	6306.4	6354.5	6390.6	6443.5	6411.1
7°	6014.1	6053.8	6104.4	6112.8	6135.6
8°	5682.2	5724.3	5771.2	5762.7	5743.5
9°	5278.0	5339.4	5394.7	5376.6	5400.7
10°	4903.9	4941.2	4938.8	4920.8	4961.7
11°	4469.7	4478.1	4431.2	4504.6	4460.1
12°	3954.9	3962.1	3902.0	3974.1	4019.9
13°	3461.7	3444.9	3361.9	3456.9	3514.7
14°	2894.0	2900.0	2794.2	2978.2	2963.8
15°	2381.6	2364.8	2310.6	2414.1	2464.6
17.5°	1269.0	1279.8	1266.6	1318.3	1350.8
20°	654.3	672.4	665.2	686.8	672.4
22.5°	339.2	364.5	371.7	354.8	309.1
25°	109.5	162.4	206.9	157.6	129.9
27.5°	66.2	65.0	101.0	69.8	71.0
30°	40.9	39.7	42.1	42.1	43.3
32.5°	22.9	24.1	22.9	25.3	24.1
35°	12.0	13.2	13.2	14.4	13.2
37.5°	7.2	8.4	8.4	8.4	7.2
40°	3.6	4.8	4.8	3.6	3.6
42.5°	2.4	2.4	2.4	2.4	2.4
45°	2.4	1.2	1.2	1.2	2.4
47.5°	1.2	1.2	0.0	1.2	1.2
50°	1.2	1.2	0.0	1.2	1.2
52.5°	1.2	0.0	0.0	0.0	1.2
55°	1.2	0.0	0.0	0.0	1.2
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)