

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: P1308414

Luminaire Tested: LDSQA3D20R259027D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308414  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R259027D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

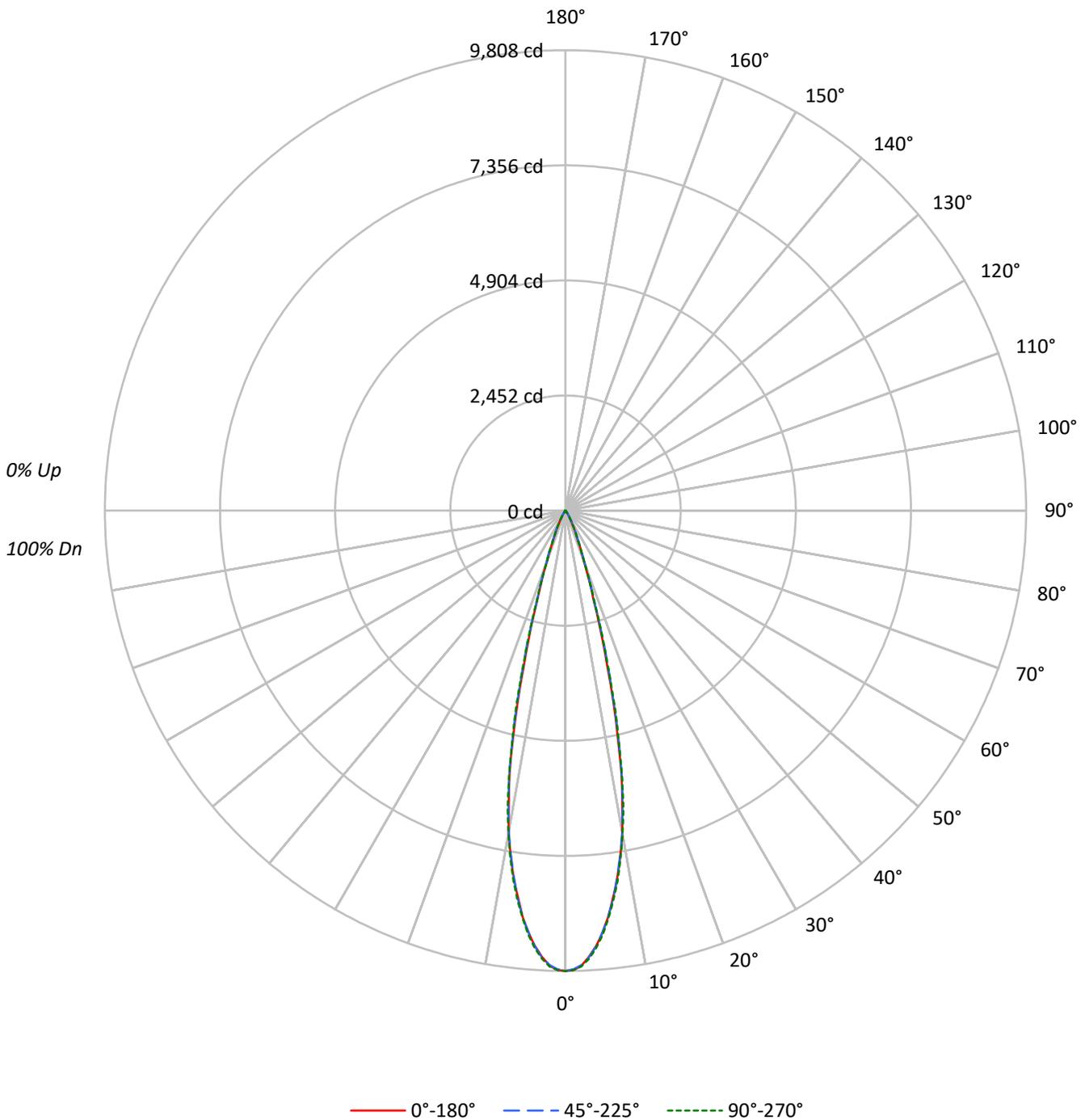
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2072.1 lumens  
Efficiency: N/A  
Efficacy: 71.9 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P1308414  
CATALOG NUMBER: LDSQA3D20R259027D010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1308414  
 CATALOG NUMBER: LDSQA3D20R259027D010 3LSQCDR1MW

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				50				30				10		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	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94	94	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	91	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86	86	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84	84	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	82	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	80	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78	78	78
10	90	84	80	78	89	84	80	77	83	80	77	82	79	77	82	79	77	76	76	76

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1689160	1689160	1689160
5°	1560229	1559693	1568424
10°	1218770	1215465	1223736
15°	613131	638753	638182
20°	209795	215587	212105
25°	84315	94804	87906
30°	34225	40827	33290
35°	9966	17934	9966
40°	4609	7801	4609
45°	1534	3069	1534
50°	857	1259	857
55°	961	961	961
60°	1102	1102	1102
65°	652	652	652
70°	806	806	806
75°	1065	1065	1065
80°	0	1587	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3069 cd/sqm



TEST NUMBER: P1308414  
 CATALOG NUMBER: LDSQA3D20R259027D010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	795.7	38.4
10°-20°	973.9	47.0
20°-30°	237.9	11.5
30°-40°	49.2	2.4
40°-50°	8.6	0.4
50°-60°	2.9	0.1
60°-70°	2.3	0.1
70°-80°	1.5	0.1
80°-90°	0.1	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°	2007.5	96.9
0°-40°	2056.7	99.3
0°-60°	2068.2	99.8
0°-90°	2072.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2072.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9808	9808	9808	9808	9808	
5°	9025	9033	9022	9041	9072	795
15°	3439	3497	3582	3598	3579	960
25°	444	464	499	470	463	227
35°	47	66	85	65	47	40
45°	6	10	13	10	6	6
55°	3	3	3	3	3	3
65°	2	3	2	2	2	2
75°	2	2	2	2	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1308414

CATALOG NUMBER: LDSQA3D20R259027D010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9808.0	9808.0	9808.0	9808.0	9808.0
1°	9789.1	9776.5	9773.3	9774.9	9790.7
2°	9700.7	9692.8	9691.2	9695.9	9718.0
3°	9520.7	9530.2	9533.3	9549.1	9560.2
4°	9299.6	9318.6	9310.7	9329.6	9342.3
5°	9024.9	9032.8	9021.8	9040.7	9072.3
6°	8704.4	8676.0	8702.8	8710.7	8732.8
7°	8304.9	8311.3	8320.7	8330.2	8363.4
8°	7911.8	7892.8	7888.1	7932.3	7959.2
9°	7452.3	7455.5	7438.1	7488.7	7496.5
10°	6969.2	6929.7	6950.3	6989.7	6997.6
11°	6331.3	6320.3	6350.3	6411.9	6460.8
12°	5732.9	5739.2	5770.8	5791.4	5780.3
13°	4941.9	4989.3	5028.8	5049.3	5022.4
14°	4226.7	4226.7	4277.2	4285.1	4381.4
15°	3438.8	3497.2	3582.5	3598.3	3579.3
17.5°	1986.2	1994.1	2035.2	2033.6	2063.6
20°	1144.7	1155.7	1176.3	1171.5	1157.3
22.5°	688.4	712.1	761.0	721.6	710.5
25°	443.7	464.2	498.9	470.5	462.6
27.5°	277.9	292.1	318.9	293.7	281.0
30°	172.1	180.0	205.3	181.6	167.4
32.5°	93.2	113.7	134.2	113.7	93.2
35°	47.4	66.3	85.3	64.7	47.4
37.5°	31.6	37.9	55.3	36.3	31.6
40°	20.5	25.3	34.7	25.3	20.5
42.5°	11.1	15.8	18.9	17.4	11.1
45°	6.3	9.5	12.6	9.5	6.3
47.5°	4.7	4.7	7.9	4.7	3.2
50°	3.2	3.2	4.7	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	3.2
60°	3.2	3.2	3.2	3.2	3.2
62.5°	3.2	3.2	3.2	3.2	3.2
65°	1.6	3.2	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
80°	0.0	0.0	1.6	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



TEST NUMBER: P1308414  
CATALOG NUMBER: LDSQA3D20R259027D010 3LSQCDR1MW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)