

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: P1308543

Luminaire Tested: LDSQA3D24R209027D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308543  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R209027D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

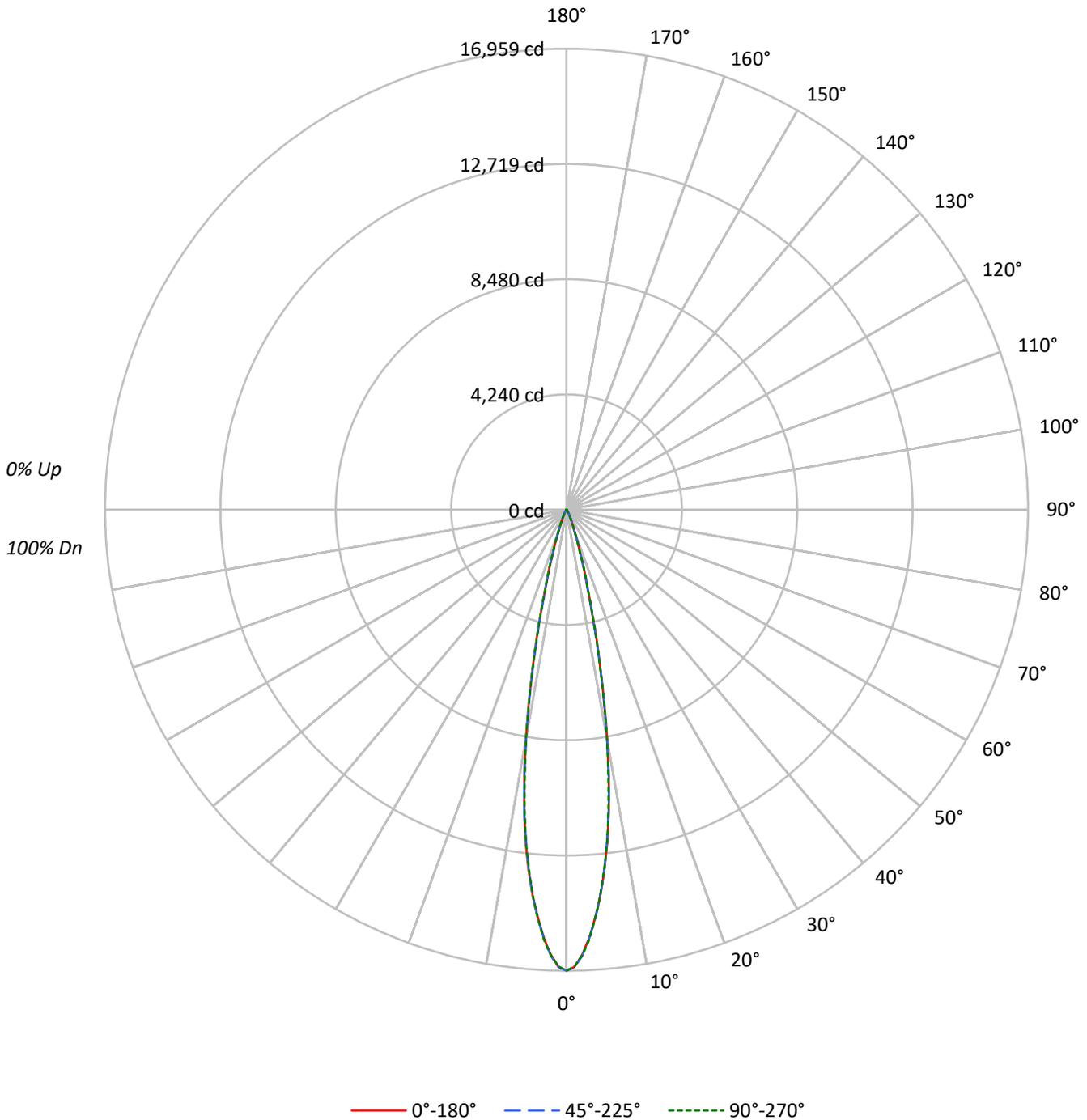
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2337.0 lumens  
Efficiency: N/A  
Efficacy: 81.1 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
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: P1308543  
CATALOG NUMBER: LDSQA3D24R209027D010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1308543

CATALOG NUMBER: LDSQA3D24R209027D010 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	88	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

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

	0°	45°	90°
0°	2920655	2920655	2920655
5°	2461680	2462614	2461369
10°	1500098	1493138	1496618
15°	528404	530651	547090
20°	166029	170666	167019
25°	62196	68030	63906
30°	24083	34165	25176
35°	9125	15201	9882
40°	4879	6497	4879
45°	1754	3093	2192
50°	965	1447	965
55°	1081	1081	1081
60°	620	620	620
65°	734	734	734
70°	906	906	906
75°	0	0	1198
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3093 cd/sqm



TEST NUMBER: P1308543

CATALOG NUMBER: LDSQA3D24R209027D010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1177.2	50.4
10°-20°	923.1	39.5
20°-30°	181.3	7.8
30°-40°	40.7	1.7
40°-50°	9.2	0.4
50°-60°	2.9	0.1
60°-70°	1.8	0.1
70°-80°	0.8	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°	2281.6	97.6
0°-40°	2322.3	99.4
0°-60°	2334.4	99.9
0°-90°	2337.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2337.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	16959	16959	16959	16959	16959	
5°	14239	14252	14245	14293	14237	1180
15°	2964	2976	2976	3041	3068	921
25°	327	349	358	353	336	173
35°	43	52	72	52	47	32
45°	7	11	13	11	9	7
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	0	0	0	0	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1308543  
 CATALOG NUMBER: LDSQA3D24R209027D010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	16958.6	16958.6	16958.6	16958.6	16958.6
1°	16821.2	16785.1	16826.6	16794.1	16801.3
2°	16385.5	16365.6	16419.8	16385.5	16403.5
3°	15779.7	15754.4	15794.2	15796.0	15846.6
4°	15056.5	15007.6	15067.3	15069.1	15078.2
5°	14239.2	14251.8	14244.6	14293.4	14237.4
6°	13320.6	13362.2	13308.0	13335.1	13257.4
7°	12293.6	12241.2	12214.1	12223.1	12277.3
8°	11159.9	11123.7	11163.5	11107.5	11069.5
9°	9899.6	9836.3	9879.7	9825.5	9771.2
10°	8577.9	8548.9	8538.1	8476.6	8558.0
11°	7252.5	7165.7	7209.1	7178.4	7267.0
12°	6012.1	6019.3	5934.3	5961.5	5972.3
13°	4892.9	4777.1	4791.6	4865.7	4878.4
14°	3795.3	3811.6	3817.0	3869.4	3900.2
15°	2963.6	2976.2	2976.2	3041.3	3068.4
17.5°	1589.4	1589.4	1623.7	1631.0	1634.6
20°	905.9	911.3	931.2	929.4	911.3
22.5°	542.4	553.3	564.1	553.3	542.4
25°	327.3	349.0	358.0	352.6	336.3
27.5°	195.3	218.8	244.1	224.2	193.5
30°	121.1	133.8	171.8	137.4	126.6
32.5°	66.9	86.8	117.5	90.4	68.7
35°	43.4	52.4	72.3	52.4	47.0
37.5°	30.7	36.2	45.2	38.0	32.5
40°	21.7	25.3	28.9	27.1	21.7
42.5°	14.5	18.1	19.9	18.1	14.5
45°	7.2	10.8	12.7	10.8	9.0
47.5°	3.6	5.4	9.0	5.4	3.6
50°	3.6	3.6	5.4	3.6	3.6
52.5°	3.6	3.6	3.6	3.6	3.6
55°	3.6	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	1.8	3.6	1.8
60°	1.8	1.8	1.8	1.8	1.8
62.5°	1.8	1.8	1.8	1.8	1.8
65°	1.8	1.8	1.8	1.8	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	0.0	0.0	0.0	0.0	1.8
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



TEST NUMBER: P1308543

CATALOG NUMBER: LDSQA3D24R209027D010 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)