

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: P1323578

Luminaire Tested: LDSQA3D05R209030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

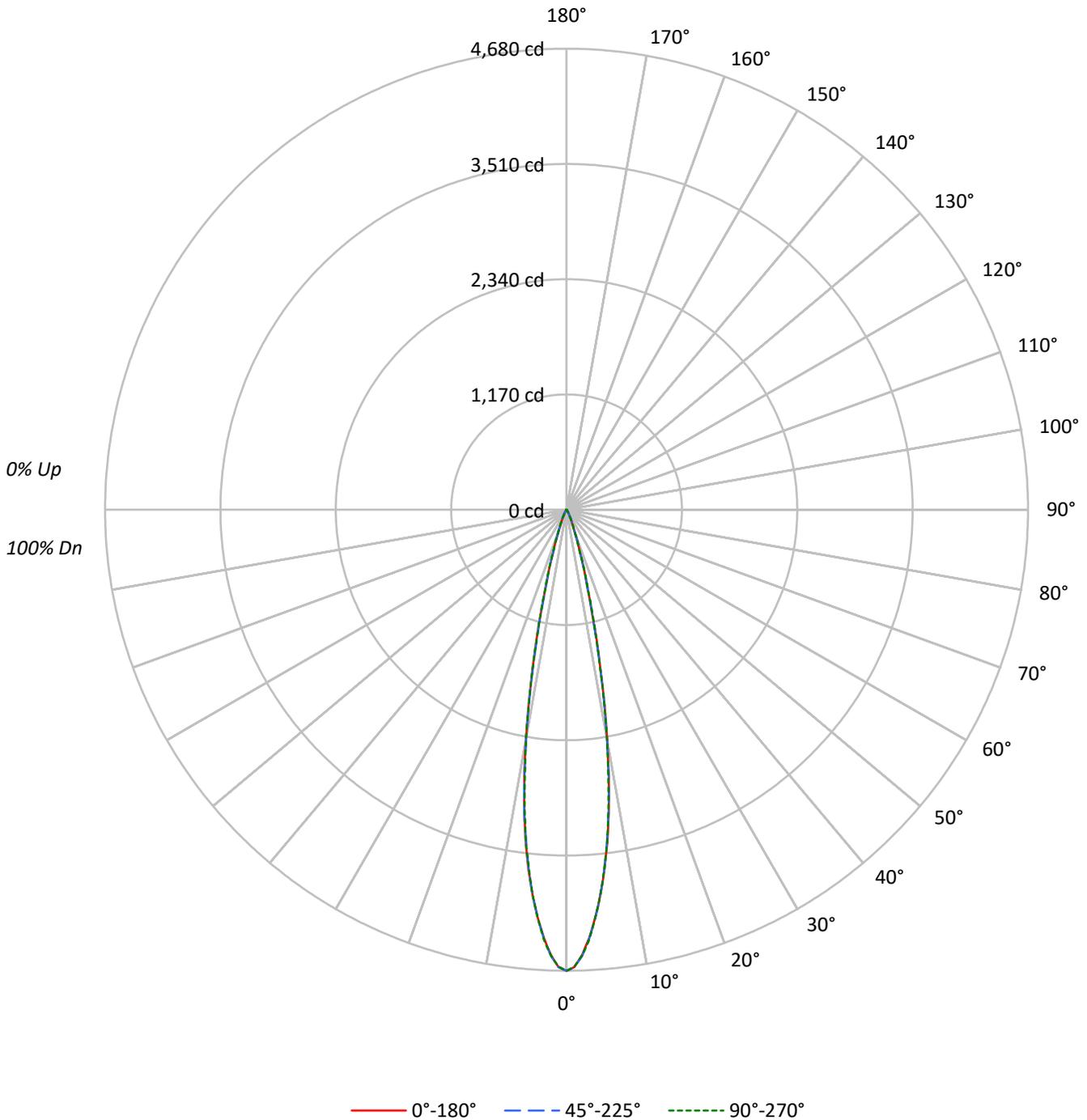
Test Method: LM-79-2019  
Report Number: P1323578  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R209030D2WDE010 3LSQCDR1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 645.0 lumens  
Efficiency: N/A  
Efficacy: 58.1 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): 11.1  
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		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	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	97	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	94	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	92	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	90	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	88	88	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	87	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	85	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	83	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	82	82	81

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

	0°	45°	90°
0°	806088	806088	806088
5°	679403	679662	679317
10°	414010	412103	413065
15°	145830	146454	151001
20°	45819	47102	46094
25°	17159	18775	17634
30°	6642	9426	6940
35°	2523	4205	2733
40°	1349	1799	1349
45°	487	852	609
50°	268	402	268
55°	300	300	300
60°	172	172	172
65°	204	204	204
70°	252	252	252
75°	0	0	333
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 852 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	324.9	50.4
10°-20°	254.8	39.5
20°-30°	50.0	7.8
30°-40°	11.2	1.7
40°-50°	2.6	0.4
50°-60°	0.8	0.1
60°-70°	0.5	0.1
70°-80°	0.2	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°	629.7	97.6
0°-40°	640.9	99.4
0°-60°	644.3	99.9
0°-90°	645.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	645.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4680	4680	4680	4680	4680	
5°	3930	3933	3931	3945	3929	326
15°	818	821	821	839	847	254
25°	90	96	99	97	93	48
35°	12	14	20	14	13	9
45°	2	3	4	3	2	2
55°	1	1	1	1	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	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4680.5	4680.5	4680.5	4680.5	4680.5
1°	4642.6	4632.6	4644.1	4635.1	4637.1
2°	4522.3	4516.8	4531.8	4522.3	4527.3
3°	4355.1	4348.1	4359.1	4359.6	4373.6
4°	4155.5	4142.0	4158.5	4159.0	4161.5
5°	3929.9	3933.4	3931.4	3944.9	3929.4
6°	3676.4	3687.9	3672.9	3680.4	3659.0
7°	3393.0	3378.5	3371.0	3373.5	3388.5
8°	3080.1	3070.1	3081.1	3065.6	3055.1
9°	2732.2	2714.8	2726.8	2711.8	2696.8
10°	2367.4	2359.5	2356.5	2339.5	2362.0
11°	2001.6	1977.7	1989.7	1981.2	2005.6
12°	1659.3	1661.3	1637.8	1645.3	1648.3
13°	1350.4	1318.5	1322.5	1342.9	1346.4
14°	1047.5	1052.0	1053.5	1067.9	1076.4
15°	817.9	821.4	821.4	839.4	846.9
17.5°	438.7	438.7	448.1	450.1	451.1
20°	250.0	251.5	257.0	256.5	251.5
22.5°	149.7	152.7	155.7	152.7	149.7
25°	90.3	96.3	98.8	97.3	92.8
27.5°	53.9	60.4	67.4	61.9	53.4
30°	33.4	36.9	47.4	37.9	34.9
32.5°	18.5	24.0	32.4	25.0	19.0
35°	12.0	14.5	20.0	14.5	13.0
37.5°	8.5	10.0	12.5	10.5	9.0
40°	6.0	7.0	8.0	7.5	6.0
42.5°	4.0	5.0	5.5	5.0	4.0
45°	2.0	3.0	3.5	3.0	2.5
47.5°	1.0	1.5	2.5	1.5	1.0
50°	1.0	1.0	1.5	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	0.5	1.0	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.5
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)