

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: P1308097

Luminaire Tested: LDSQA3D13R209027DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308097  
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: LDSQA3D13R209027DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

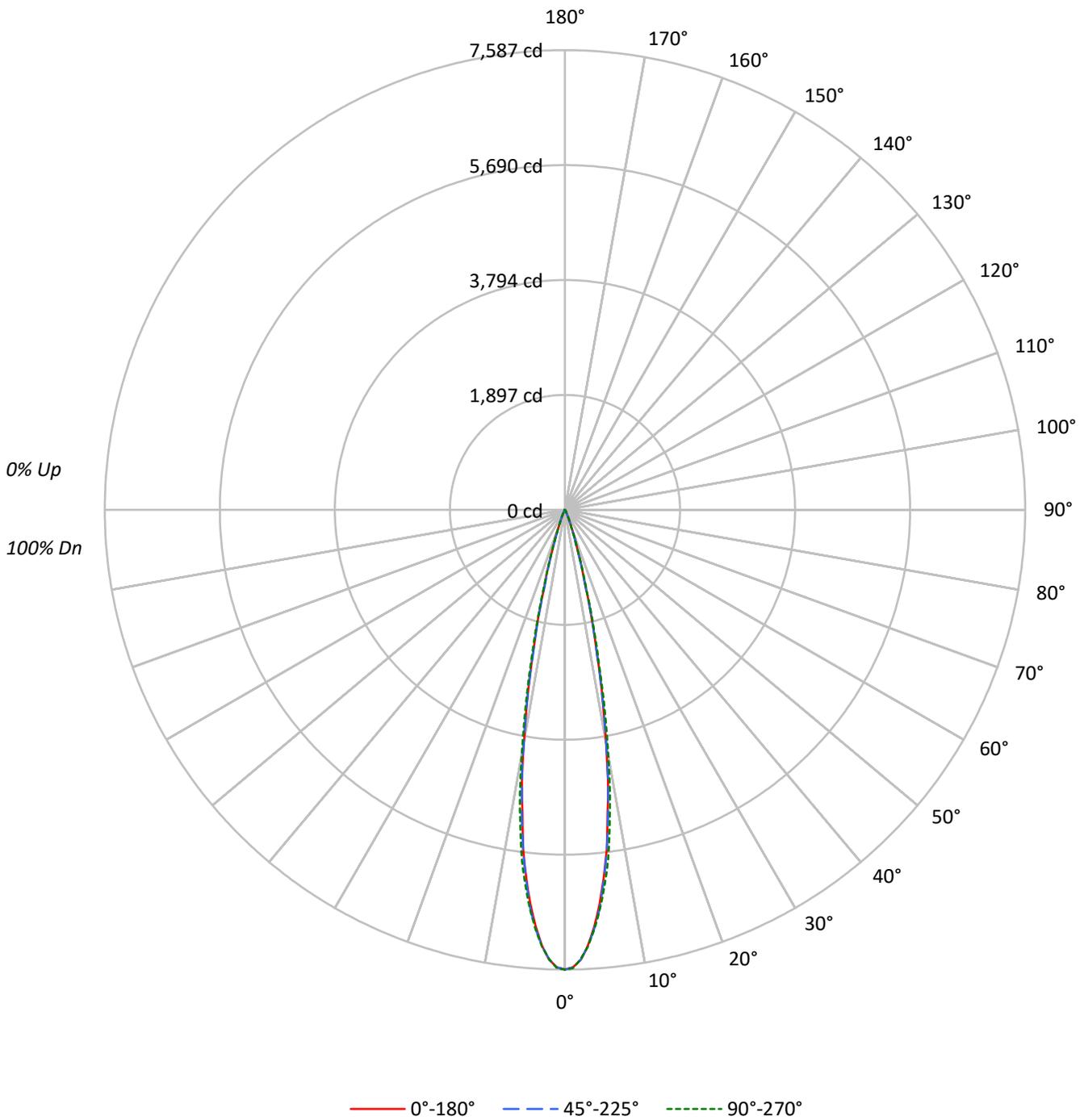
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1019.0 lumens  
Efficiency: N/A  
Efficacy: 69.8 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): 14.6  
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

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

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

	0°	45°	90°
0°	1306619	1306619	1306619
5°	1128754	1139283	1143518
10°	679494	685842	719979
15°	235032	229523	247816
20°	61727	58062	58227
25°	13454	16209	18452
30°	5787	5787	5966
35°	3238	2859	3049
40°	1439	1641	1844
45°	438	658	658
50°	241	241	241
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: 658 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	542.6	53.3
10°-20°	413.1	40.5
20°-30°	51.1	5.0
30°-40°	9.7	0.9
40°-50°	2.3	0.2
50°-60°	0.1	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°	1006.9	98.8
0°-40°	1016.5	99.8
0°-60°	1019.0	100.0
0°-90°	1019.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1019.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7587	7587	7587	7587	7587	
5°	6529	6525	6590	6585	6614	538
15°	1318	1271	1287	1364	1390	413
25°	71	81	85	89	97	49
35°	15	15	14	14	14	10
45°	2	3	3	3	3	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	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7586.8	7586.8	7586.8	7586.8	7586.8
1°	7551.3	7542.3	7549.5	7534.1	7565.9
2°	7430.6	7421.5	7421.5	7412.4	7417.0
3°	7205.5	7220.0	7210.9	7191.8	7216.4
4°	6898.6	6915.0	6929.5	6930.4	6934.0
5°	6529.1	6524.6	6590.0	6585.4	6614.5
6°	6107.9	6102.4	6130.6	6177.8	6235.9
7°	5644.9	5578.6	5654.0	5749.3	5827.4
8°	5045.7	5063.0	5114.7	5227.3	5289.9
9°	4537.3	4436.6	4546.4	4680.8	4748.9
10°	3885.5	3803.8	3921.8	4063.5	4117.0
12.5°	2445.7	2374.9	2413.0	2561.9	2585.5
15°	1318.2	1271.0	1287.3	1364.5	1389.9
17.5°	672.7	630.0	621.0	670.0	675.4
20°	336.8	326.8	316.8	321.4	317.7
22.5°	156.1	169.8	167.9	158.9	169.8
25°	70.8	80.8	85.3	89.0	97.1
27.5°	43.6	41.8	48.1	51.7	52.7
30°	29.1	28.1	29.1	30.0	30.0
32.5°	20.9	20.0	19.1	19.1	20.0
35°	15.4	15.4	13.6	14.5	14.5
37.5°	10.9	10.9	10.0	10.9	10.9
40°	6.4	7.3	7.3	7.3	8.2
42.5°	3.6	4.5	4.5	4.5	4.5
45°	1.8	2.7	2.7	2.7	2.7
47.5°	0.9	0.9	0.9	1.8	1.8
50°	0.9	0.9	0.9	0.9	0.9
52.5°	0.9	0.0	0.0	0.0	0.9
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)