

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: P1308131

Luminaire Tested: LDSQA3D13R309027DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308131  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R309027DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

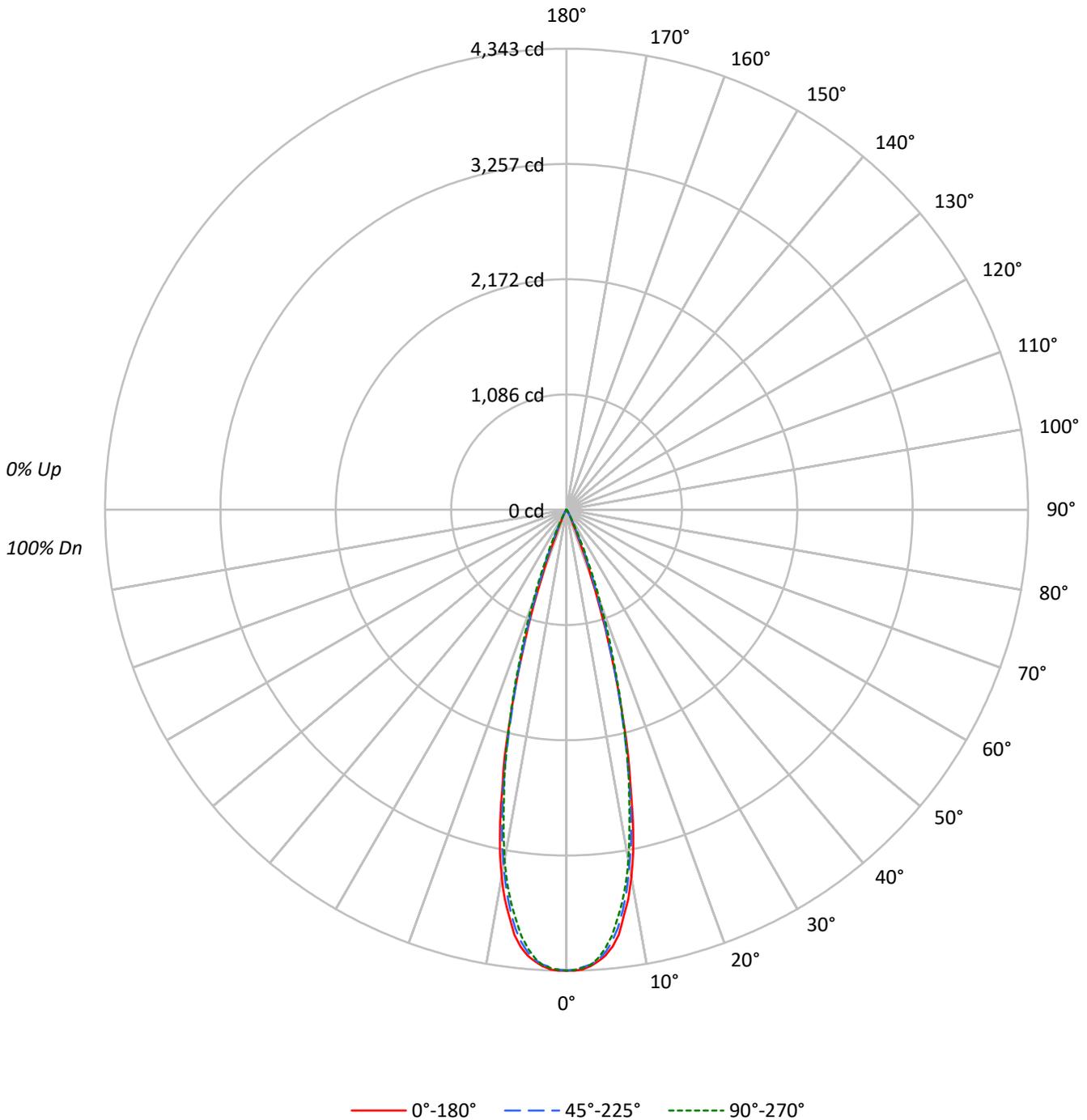
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1052.0 lumens  
Efficiency: N/A  
Efficacy: 72.1 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
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	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	99	99	99	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	96	96	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	96	94	93	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	94	92	90	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	92	89	88	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	90	87	85	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	88	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	86	83	81	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	82	79	77	76

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

	0°	45°	90°
0°	747722	747722	747722
5°	728484	723453	717506
10°	614771	595902	586213
15°	370485	360126	366759
20°	125672	145118	167386
25°	23088	36200	42737
30°	7935	8830	9923
35°	2292	2859	3049
40°	607	1012	809
45°	219	219	219
50°	241	0	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: 0°

Vertical Angle: 52.5°

Luminance: 255 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	375.4	35.7
10°-20°	548.7	52.2
20°-30°	116.1	11.0
30°-40°	10.7	1.0
40°-50°	1.0	0.1
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°	1040.2	98.9
0°-40°	1050.9	99.9
0°-60°	1052.0	100.0
0°-90°	1052.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1052.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4342	4342	4342	4342	4342	
5°	4214	4206	4185	4172	4150	380
15°	2078	2071	2020	2067	2057	548
25°	122	136	190	224	225	89
35°	11	14	14	16	14	9
45°	1	1	1	1	1	1
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°	4341.6	4341.6	4341.6	4341.6	4341.6
1°	4342.6	4338.0	4331.7	4340.7	4334.4
2°	4333.5	4322.6	4313.5	4322.6	4319.9
3°	4306.3	4297.2	4290.9	4295.4	4295.4
4°	4265.5	4255.5	4250.0	4250.9	4237.3
5°	4213.8	4205.6	4184.7	4172.0	4150.3
6°	4137.6	4117.6	4092.2	4071.4	4043.3
7°	4034.2	4003.3	3967.1	3930.8	3895.4
8°	3868.2	3853.7	3804.7	3780.2	3744.9
9°	3712.2	3676.8	3624.2	3584.3	3565.3
10°	3515.4	3462.8	3407.5	3375.7	3352.1
11°	3282.3	3228.8	3184.4	3138.1	3101.8
12°	3008.4	2963.1	2912.3	2881.4	2838.8
13°	2683.7	2677.4	2620.2	2610.2	2604.8
14°	2405.3	2379.9	2323.6	2339.1	2342.7
15°	2077.9	2070.6	2019.8	2067.0	2057.0
17.5°	1301.5	1304.2	1336.0	1410.3	1433.9
20°	685.7	706.5	791.8	881.6	913.3
22.5°	277.5	323.8	410.9	471.6	512.4
25°	121.5	136.0	190.5	224.0	224.9
27.5°	68.9	69.8	91.6	95.2	97.0
30°	39.9	40.8	44.4	47.2	49.9
32.5°	21.8	23.6	24.5	28.1	28.1
35°	10.9	13.6	13.6	16.3	14.5
37.5°	6.3	7.3	8.2	8.2	7.3
40°	2.7	3.6	4.5	4.5	3.6
42.5°	0.9	1.8	1.8	1.8	2.7
45°	0.9	0.9	0.9	0.9	0.9
47.5°	0.9	0.9	0.0	0.9	0.9
50°	0.9	0.0	0.0	0.0	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



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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)