

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: P1313809

Luminaire Tested: LDSQA3D17R259727DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313809  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R259727DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

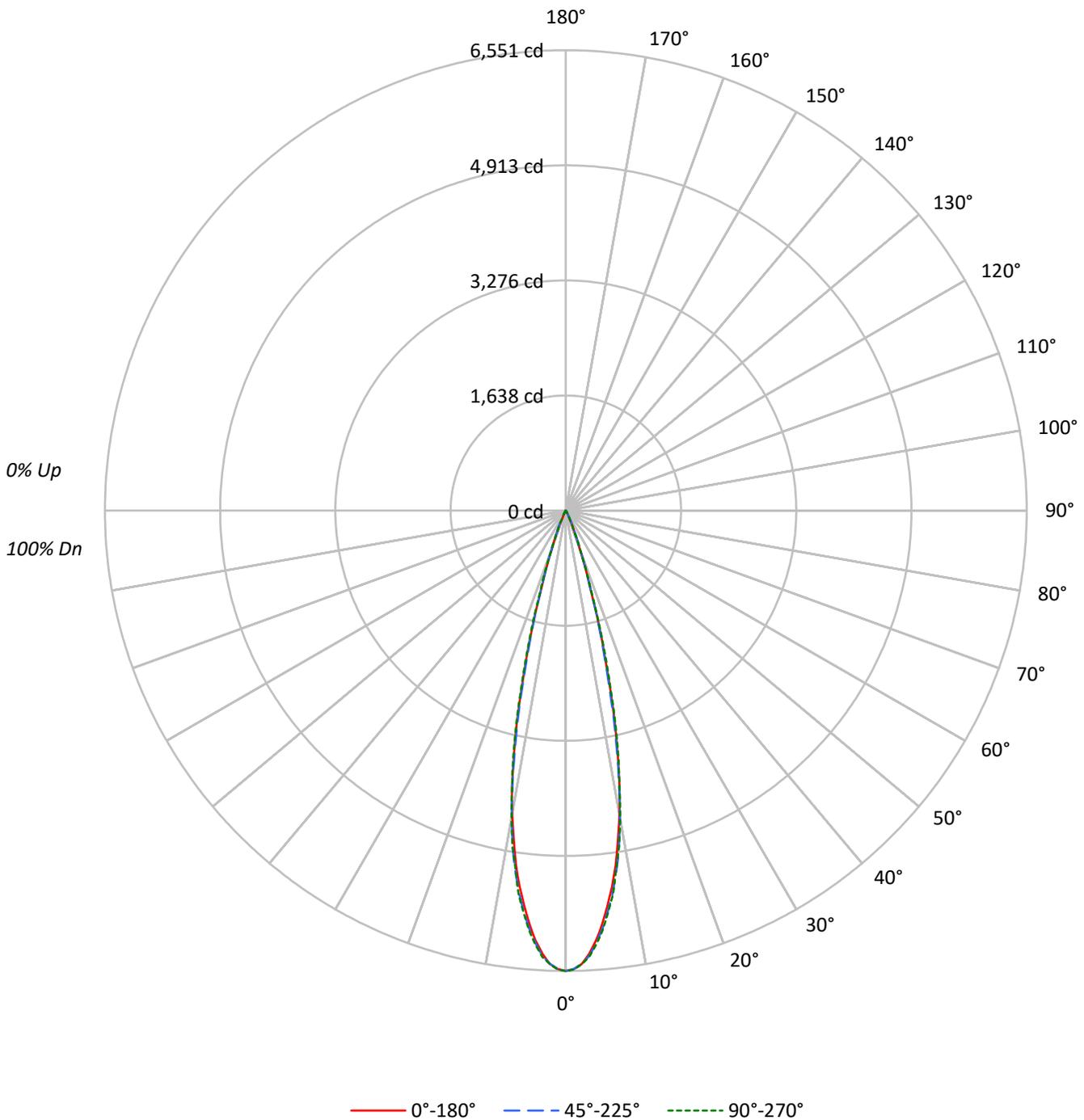
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1209.0 lumens  
Efficiency: N/A  
Efficacy: 57.0 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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: P1313809  
CATALOG NUMBER: LDSQA3D17R259727DE010 3LSQPHR1MW

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

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

	0°	45°	90°
0°	1128231	1128231	1128231
5°	1022398	1031716	1036747
10°	768595	774069	777636
15°	380559	369219	393825
20°	107473	109251	110442
25°	18642	35231	22119
30°	7298	7497	7716
35°	2271	2502	2502
40°	719	967	719
45°	536	268	536
50°	295	0	295
55°	330	0	330
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: 45°

Luminance: 536 cd/sqm



TEST NUMBER: P1313809

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	520.4	43.0
10°-20°	586.9	48.5
20°-30°	91.0	7.5
30°-40°	9.2	0.8
40°-50°	1.3	0.1
50°-60°	0.2	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°	1198.3	99.1
0°-40°	1207.5	99.9
0°-60°	1209.0	100.0
0°-90°	1209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1209.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6551	6551	6551	6551	6551	
5°	5914	5925	5968	5992	5997	515
15°	2134	2119	2071	2164	2209	585
25°	98	146	185	141	116	82
35°	11	12	12	13	12	9
45°	2	1	1	1	2	1
55°	1	0	0	0	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°	6551.0	6551.0	6551.0	6551.0	6551.0
1°	6524.0	6532.7	6523.0	6533.7	6532.7
2°	6456.1	6464.8	6452.9	6459.4	6459.4
3°	6317.1	6335.4	6346.2	6353.7	6360.2
4°	6133.8	6154.3	6170.5	6189.9	6189.9
5°	5913.9	5924.7	5967.8	5991.5	5996.9
6°	5651.9	5695.1	5727.4	5774.8	5745.7
7°	5390.0	5425.6	5470.8	5478.4	5498.9
8°	5092.5	5130.2	5172.2	5164.7	5147.4
9°	4730.3	4785.2	4834.8	4818.6	4840.2
10°	4395.0	4428.4	4426.3	4410.1	4446.7
11°	4005.8	4013.4	3971.3	4037.1	3997.2
12°	3544.5	3550.9	3497.0	3561.7	3602.7
13°	3102.5	3087.4	3013.0	3098.2	3149.9
14°	2593.7	2599.1	2504.2	2669.1	2656.2
15°	2134.4	2119.3	2070.8	2163.5	2208.8
17.5°	1137.3	1147.0	1135.1	1181.5	1210.6
20°	586.4	602.6	596.1	615.5	602.6
22.5°	304.0	326.6	333.1	318.0	277.0
25°	98.1	145.5	185.4	141.2	116.4
27.5°	59.3	58.2	90.6	62.5	63.6
30°	36.7	35.6	37.7	37.7	38.8
32.5°	20.5	21.6	20.5	22.6	21.6
35°	10.8	11.9	11.9	12.9	11.9
37.5°	6.5	7.5	7.5	7.5	6.5
40°	3.2	4.3	4.3	3.2	3.2
42.5°	2.2	2.2	2.2	2.2	2.2
45°	2.2	1.1	1.1	1.1	2.2
47.5°	1.1	1.1	0.0	1.1	1.1
50°	1.1	1.1	0.0	1.1	1.1
52.5°	1.1	0.0	0.0	0.0	1.1
55°	1.1	0.0	0.0	0.0	1.1
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)