

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: P1317357

Luminaire Tested: LDSQA3D09R359827DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317357  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R359827DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

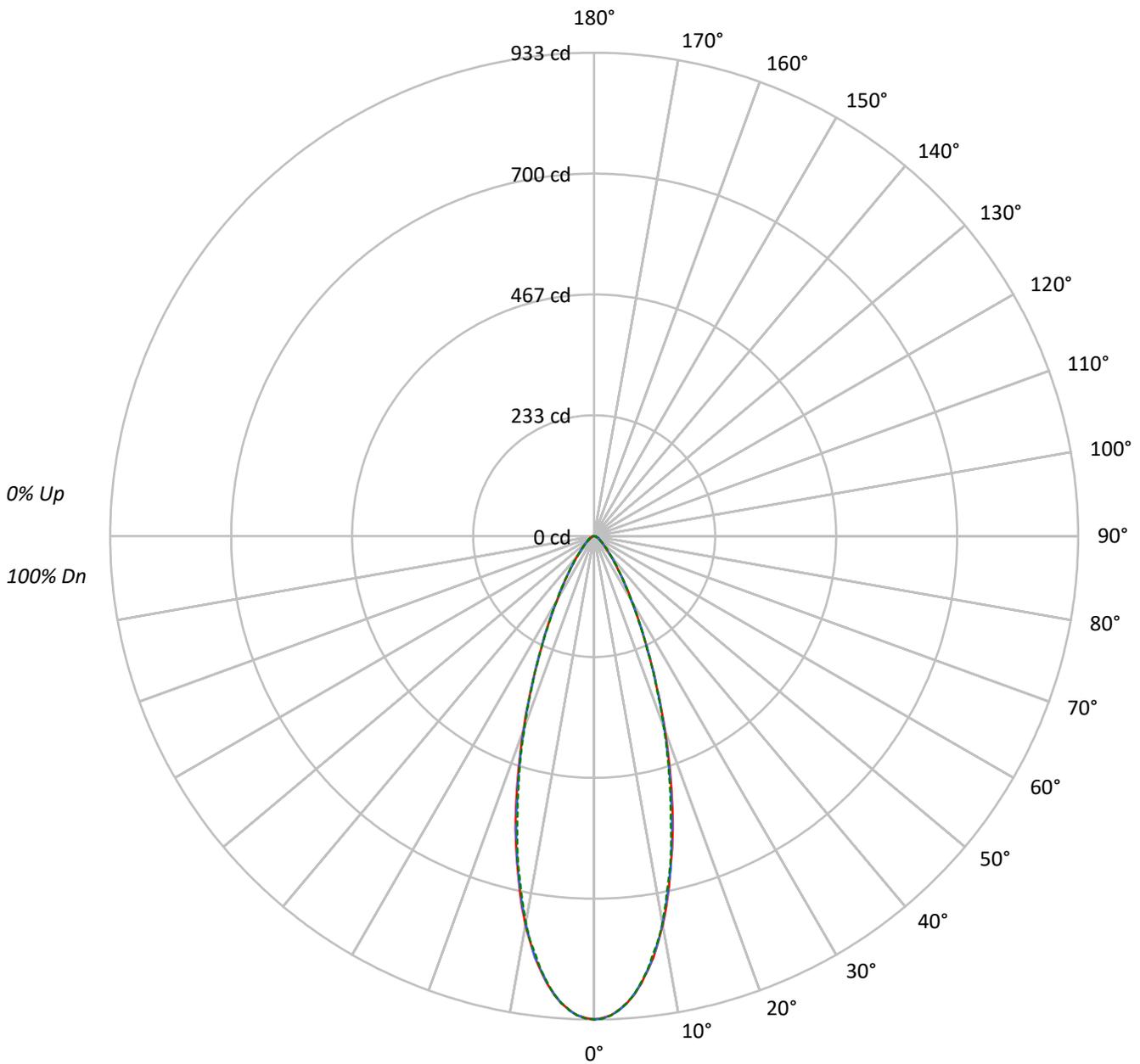
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 460.0 lumens  
Efficiency: N/A  
Efficacy: 41.8 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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: P1317357  
CATALOG NUMBER: LDSQA3D09R359827DE010 3LSQPHRL1MW

### Luminous Intensity Polar Plot



0% Up  
100% Dn

— 0°-180°    - - 45°-225°    - · - · 90°-270°



TEST NUMBER: P1317357

CATALOG NUMBER: LDSQA3D09R359827DE010 3LSQPHRL1MW

**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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	95	95	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	83	83	83	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	78	78	78	78	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	74	74	74	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	70	70	70	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	66	66	66	65
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	63	63	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	60	60	60	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	57	57	57	56

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

	0°	45°	90°
0°	160632	160632	160632
5°	153501	153241	153501
10°	133258	132803	132629
15°	104411	103609	101969
20°	73054	72394	71936
25°	46386	46690	46386
30°	28577	28796	28577
35°	17682	17787	17787
40°	11219	11353	11353
45°	7575	7696	7818
50°	5466	5600	5600
55°	4294	4294	4294
60°	3513	3513	3513
65°	3097	3097	3097
70°	2820	2820	2820
75°	2396	2396	2396
80°	1984	1984	1984
85°	988	988	1976

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 7818 cd/sqm



TEST NUMBER: P1317357

CATALOG NUMBER: LDSQA3D09R359827DE010 3LSQPHRL1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.6	17.5
10°-20°	158.7	34.5
20°-30°	114.5	24.9
30°-40°	55.2	12.0
40°-50°	25.5	5.5
50°-60°	13.2	2.9
60°-70°	7.6	1.7
70°-80°	3.8	0.8
80°-90°	0.9	0.2
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°	353.8	76.9
0°-40°	409.0	88.9
0°-60°	447.7	97.3
0°-90°	460.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	460.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	933	933	933	933	933	
5°	888	890	886	887	888	81
15°	586	585	581	578	572	160
25°	244	245	246	246	244	115
35°	84	84	85	85	85	55
45°	31	32	32	32	32	25
55°	14	14	14	14	14	13
65°	8	8	8	8	8	7
75°	4	4	4	4	4	4
85°	0	0	0	0	1	1
90°	0	0	0	0	0	



TEST NUMBER: P1317357  
 CATALOG NUMBER: LDSQA3D09R359827DE010 3LSQPHRL1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	932.7	932.7	932.7	932.7	932.7
1°	930.2	931.7	931.2	931.7	931.2
2°	925.6	926.6	925.6	926.1	926.1
3°	915.9	916.9	916.9	916.4	915.9
4°	904.2	906.7	904.2	904.7	903.2
5°	887.9	889.9	886.4	886.9	887.9
6°	868.0	868.5	867.5	867.0	866.0
7°	845.1	847.1	843.5	844.1	843.0
8°	820.6	820.1	820.1	818.1	815.0
9°	791.0	793.1	790.0	789.0	789.5
10°	762.0	762.0	759.4	756.9	758.4
11°	728.9	727.8	726.3	722.7	721.7
12°	692.7	694.7	690.1	688.6	685.0
13°	655.5	658.5	656.5	650.9	651.4
14°	620.8	618.8	617.2	616.2	612.7
15°	585.6	584.6	581.1	578.5	571.9
17.5°	489.3	490.3	483.7	482.7	480.1
20°	398.6	395.5	395.0	395.5	392.5
22.5°	314.5	317.5	314.0	314.5	312.4
25°	244.1	244.7	245.7	245.7	244.1
27.5°	189.6	189.6	188.6	189.6	188.1
30°	143.7	143.7	144.8	145.8	143.7
32.5°	111.1	111.1	111.1	111.6	112.1
35°	84.1	84.1	84.6	84.6	84.6
37.5°	64.7	65.2	65.8	65.8	65.8
40°	49.9	50.5	50.5	51.0	50.5
42.5°	39.8	39.8	39.8	40.3	40.3
45°	31.1	31.6	31.6	32.1	32.1
47.5°	25.5	25.5	25.5	26.0	26.0
50°	20.4	20.9	20.9	20.9	20.9
52.5°	16.8	16.8	17.3	17.3	17.3
55°	14.3	14.3	14.3	14.3	14.3
57.5°	11.7	12.2	12.2	12.2	12.2
60°	10.2	10.2	10.2	10.2	10.2
62.5°	8.7	8.7	8.7	8.7	8.7
65°	7.6	7.6	7.6	7.6	7.6
67.5°	6.1	6.6	6.6	6.6	6.6
70°	5.6	5.6	5.6	5.6	5.6
72.5°	4.1	4.6	4.6	4.6	4.6
75°	3.6	3.6	3.6	3.6	3.6
77.5°	3.1	2.5	2.5	2.5	3.1
80°	2.0	2.0	2.0	2.0	2.0
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.5	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.5	0.5



TEST NUMBER: P1317357  
CATALOG NUMBER: LDSQA3D09R359827DE010 3LSQPHRL1MW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)