

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: P1308309

Luminaire Tested: LDSQA3D17R359027DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308309  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359027DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

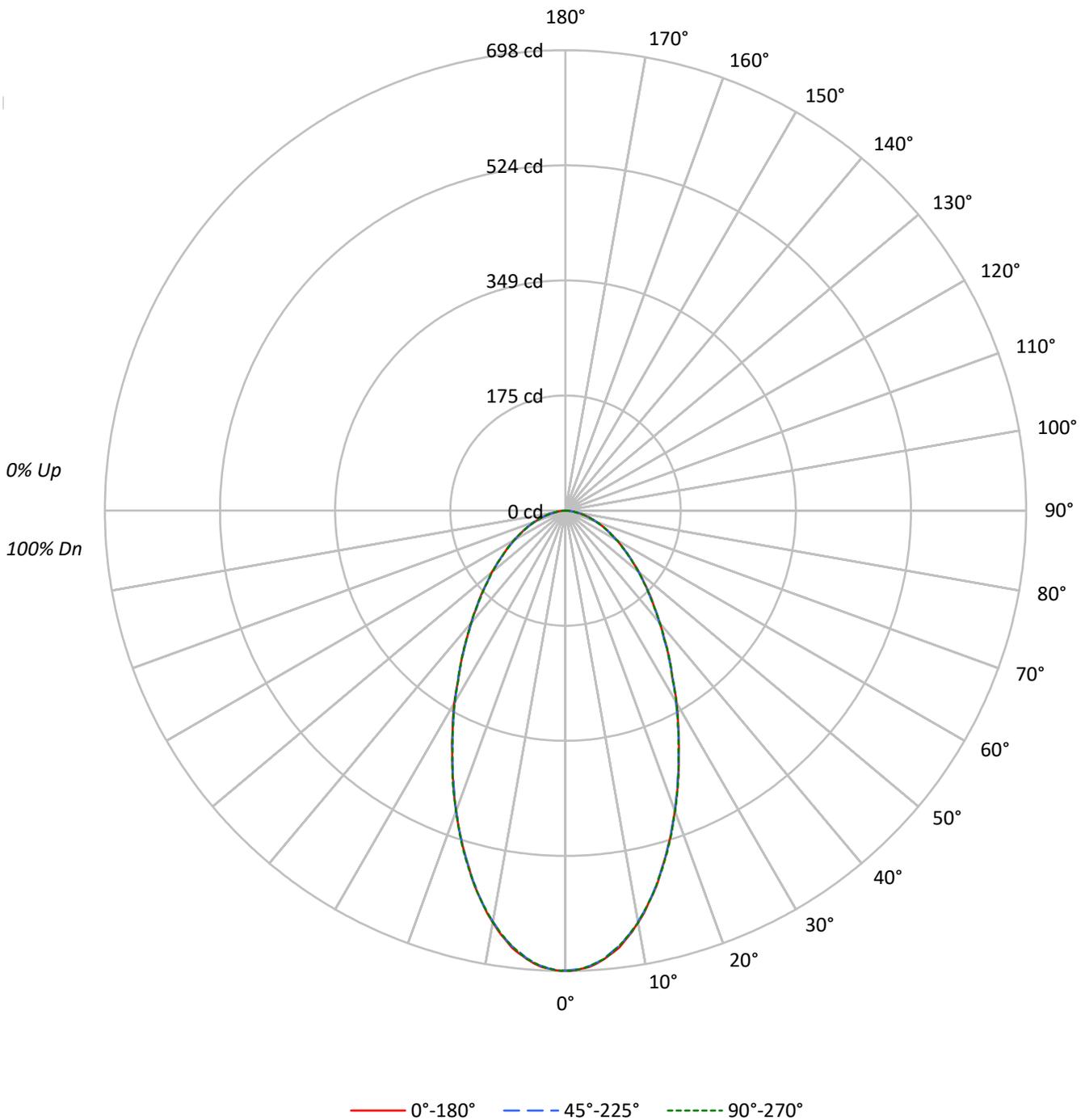
Lumens per Lamp: N/A  
Luminaire Lumens: 932.0 lumens  
Efficiency: N/A  
Efficacy: 44.0 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
Input Voltage (V): NR  
Input Current (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	102	100	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	88	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	79	77	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	70	68	68
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	62	60	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	56	54	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	51	49	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	46	44	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	42	41	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	39	38	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	35	35

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

	0°	45°	90°
0°	120143	120143	120143
5°	117905	117697	117905
10°	110856	110646	110856
15°	100364	100364	100578
20°	88834	88834	88834
25°	77265	77037	77037
30°	66978	66501	66739
35°	57649	57397	57649
40°	50023	49753	50023
45°	43938	43646	43646
50°	38984	38662	38662
55°	34320	34320	34320
60°	31069	30656	31069
65°	27955	27955	27955
70°	24825	24825	24825
75°	22425	21626	22425
80°	19042	19042	19042
85°	11856	11856	11856

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 43938 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.5	6.8
10°-20°	157.0	16.8
20°-30°	186.6	20.0
30°-40°	171.4	18.4
40°-50°	139.2	14.9
50°-60°	103.0	11.1
60°-70°	68.1	7.3
70°-80°	35.3	3.8
80°-90°	7.9	0.8
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°	407.1	43.7
0°-40°	578.5	62.1
0°-60°	820.7	88.1
0°-90°	932.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	932.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	698	698	698	698	698	
5°	682	681	681	681	682	64
15°	563	563	563	563	564	157
25°	407	405	405	407	405	187
35°	274	273	273	274	274	172
45°	180	179	179	179	179	140
55°	114	114	114	114	114	103
65°	69	69	69	69	69	68
75°	34	34	32	34	34	36
85°	6	6	6	6	6	8
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	697.6	697.6	697.6	697.6	697.6
1°	697.6	696.4	696.4	696.4	697.6
2°	695.2	695.2	695.2	695.2	695.2
3°	692.8	691.6	691.6	691.6	691.6
4°	688.0	686.8	686.8	686.8	686.8
5°	682.0	680.8	680.8	680.8	682.0
6°	674.8	673.6	672.4	672.4	673.6
7°	667.6	665.2	665.2	665.2	665.2
8°	656.7	655.5	655.5	655.5	655.5
9°	645.9	643.5	644.7	644.7	644.7
10°	633.9	632.7	632.7	632.7	633.9
11°	621.9	620.7	620.7	619.5	620.7
12°	607.4	607.4	607.4	607.4	607.4
13°	594.2	593.0	593.0	593.0	594.2
14°	579.8	578.6	578.6	578.6	578.6
15°	562.9	562.9	562.9	562.9	564.1
17.5°	524.4	523.2	524.4	524.4	525.6
20°	484.7	483.5	484.7	484.7	484.7
22.5°	445.0	445.0	443.8	445.0	446.2
25°	406.6	405.4	405.4	406.6	405.4
27.5°	370.5	369.3	369.3	369.3	369.3
30°	336.8	334.4	334.4	335.6	335.6
32.5°	301.9	301.9	303.1	301.9	301.9
35°	274.2	273.0	273.0	274.2	274.2
37.5°	246.6	245.4	245.4	246.6	246.6
40°	222.5	222.5	221.3	222.5	222.5
42.5°	199.7	199.7	199.7	199.7	199.7
45°	180.4	179.2	179.2	179.2	179.2
47.5°	161.2	161.2	161.2	160.0	161.2
50°	145.5	144.3	144.3	144.3	144.3
52.5°	128.7	128.7	128.7	128.7	128.7
55°	114.3	114.3	114.3	114.3	114.3
57.5°	102.2	101.0	101.0	101.0	101.0
60°	90.2	90.2	89.0	90.2	90.2
62.5°	78.2	78.2	78.2	78.2	78.2
65°	68.6	68.6	68.6	68.6	68.6
67.5°	58.9	58.9	58.9	58.9	58.9
70°	49.3	49.3	49.3	49.3	49.3
72.5°	42.1	40.9	40.9	40.9	40.9
75°	33.7	33.7	32.5	33.7	33.7
77.5°	25.3	25.3	25.3	25.3	25.3
80°	19.2	19.2	19.2	18.0	19.2
82.5°	12.0	12.0	12.0	12.0	12.0
85°	6.0	6.0	6.0	6.0	6.0
87.5°	1.2	1.2	1.2	2.4	2.4



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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)