

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: P1312740

Luminaire Tested: LDSQA3D17R359050DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312740  
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: LDSQA3D17R359050DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

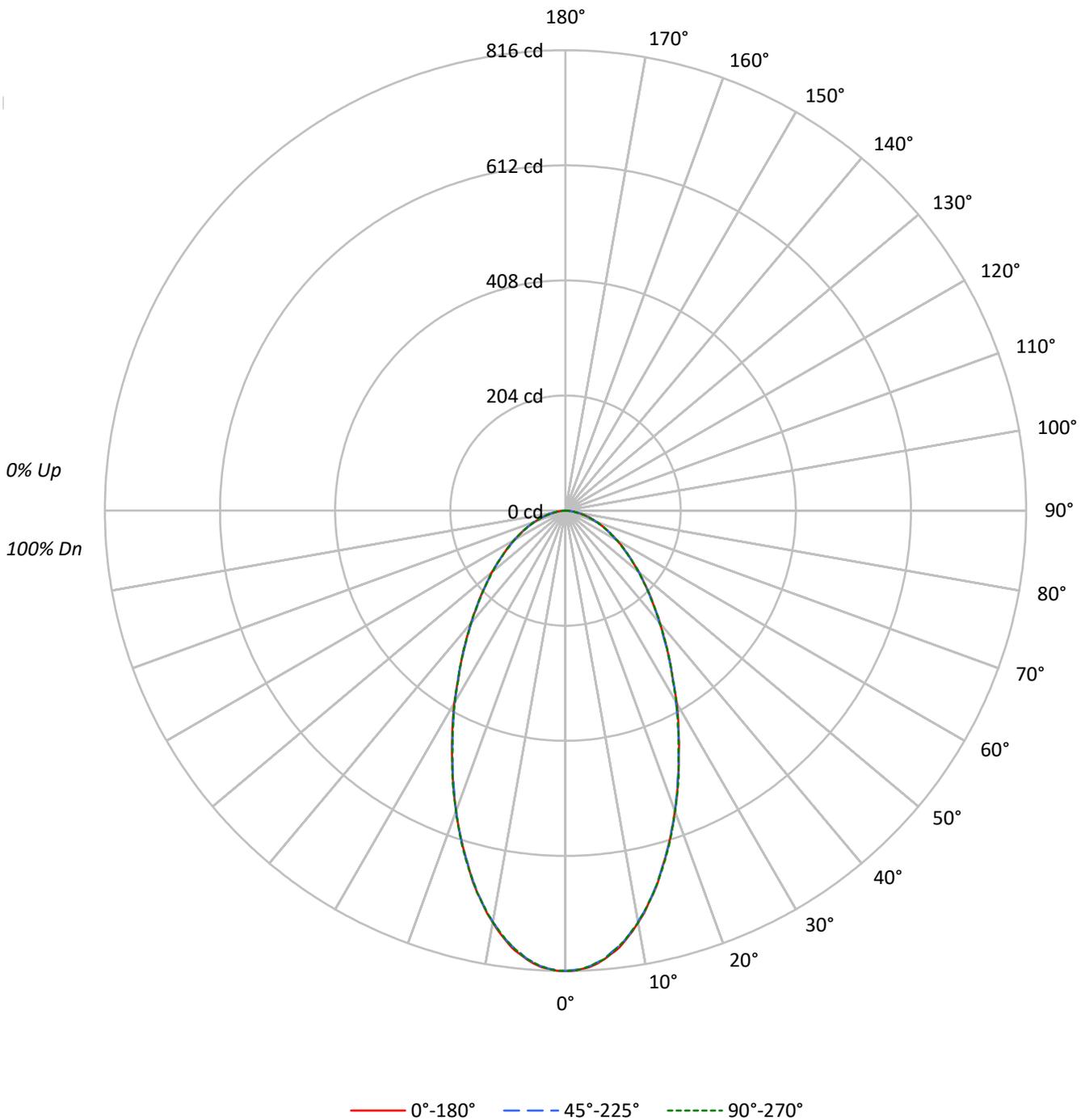
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1090.0 lumens  
Efficiency: N/A  
Efficacy: 51.4 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 (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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	88	
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	79	77	
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	70	68	
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	62	60	
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	56	54	
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	51	49	
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	46	44	
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	42	41	
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	39	38	
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	35	

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

	0°	45°	90°
0°	140516	140516	140516
5°	137889	137647	137889
10°	129638	129393	129638
15°	117391	117391	117641
20°	103899	103899	103899
25°	90358	90092	90092
30°	78333	77776	78055
35°	67426	67131	67426
40°	58498	58184	58498
45°	51391	51050	51050
50°	45602	45227	45227
55°	40115	40115	40115
60°	36339	35857	36339
65°	32683	32683	32683
70°	29055	29055	29055
75°	26217	25286	26217
80°	22315	22315	22315
85°	13832	13832	13832

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 51391 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.2	6.8
10°-20°	183.6	16.8
20°-30°	218.2	20.0
30°-40°	200.5	18.4
40°-50°	162.8	14.9
50°-60°	120.5	11.1
60°-70°	79.6	7.3
70°-80°	41.2	3.8
80°-90°	9.3	0.9
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°	476.1	43.7
0°-40°	676.6	62.1
0°-60°	959.9	88.1
0°-90°	1090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1090.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	816	816	816	816	816	
5°	798	796	796	796	798	74
15°	658	658	658	658	660	184
25°	476	474	474	476	474	219
35°	321	319	319	321	321	201
45°	211	210	210	210	210	163
55°	134	134	134	134	134	121
65°	80	80	80	80	80	80
75°	39	39	38	39	39	42
85°	7	7	7	7	7	9
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	815.9	815.9	815.9	815.9	815.9
1°	815.9	814.5	814.5	814.5	815.9
2°	813.1	813.1	813.1	813.1	813.1
3°	810.3	808.9	808.9	808.9	808.9
4°	804.7	803.2	803.2	803.2	803.2
5°	797.6	796.2	796.2	796.2	797.6
6°	789.2	787.8	786.4	786.4	787.8
7°	780.7	777.9	777.9	777.9	777.9
8°	768.1	766.7	766.7	766.7	766.7
9°	755.4	752.6	754.0	754.0	754.0
10°	741.3	739.9	739.9	739.9	741.3
11°	727.3	725.9	725.9	724.5	725.9
12°	710.4	710.4	710.4	710.4	710.4
13°	694.9	693.5	693.5	693.5	694.9
14°	678.0	676.6	676.6	676.6	676.6
15°	658.4	658.4	658.4	658.4	659.8
17.5°	613.3	611.9	613.3	613.3	614.7
20°	566.9	565.5	566.9	566.9	566.9
22.5°	520.5	520.5	519.1	520.5	521.9
25°	475.5	474.1	474.1	475.5	474.1
27.5°	433.3	431.9	431.9	431.9	431.9
30°	393.9	391.1	391.1	392.5	392.5
32.5°	353.1	353.1	354.5	353.1	353.1
35°	320.7	319.3	319.3	320.7	320.7
37.5°	288.4	287.0	287.0	288.4	288.4
40°	260.2	260.2	258.8	260.2	260.2
42.5°	233.5	233.5	233.5	233.5	233.5
45°	211.0	209.6	209.6	209.6	209.6
47.5°	188.5	188.5	188.5	187.1	188.5
50°	170.2	168.8	168.8	168.8	168.8
52.5°	150.5	150.5	150.5	150.5	150.5
55°	133.6	133.6	133.6	133.6	133.6
57.5°	119.6	118.2	118.2	118.2	118.2
60°	105.5	105.5	104.1	105.5	105.5
62.5°	91.4	91.4	91.4	91.4	91.4
65°	80.2	80.2	80.2	80.2	80.2
67.5°	68.9	68.9	68.9	68.9	68.9
70°	57.7	57.7	57.7	57.7	57.7
72.5°	49.2	47.8	47.8	47.8	47.8
75°	39.4	39.4	38.0	39.4	39.4
77.5°	29.5	29.5	29.5	29.5	29.5
80°	22.5	22.5	22.5	21.1	22.5
82.5°	14.1	14.1	14.1	14.1	14.1
85°	7.0	7.0	7.0	7.0	7.0
87.5°	1.4	1.4	1.4	2.8	2.8



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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)