

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: P1318672

Luminaire Tested: LDSQA3D20R359830D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

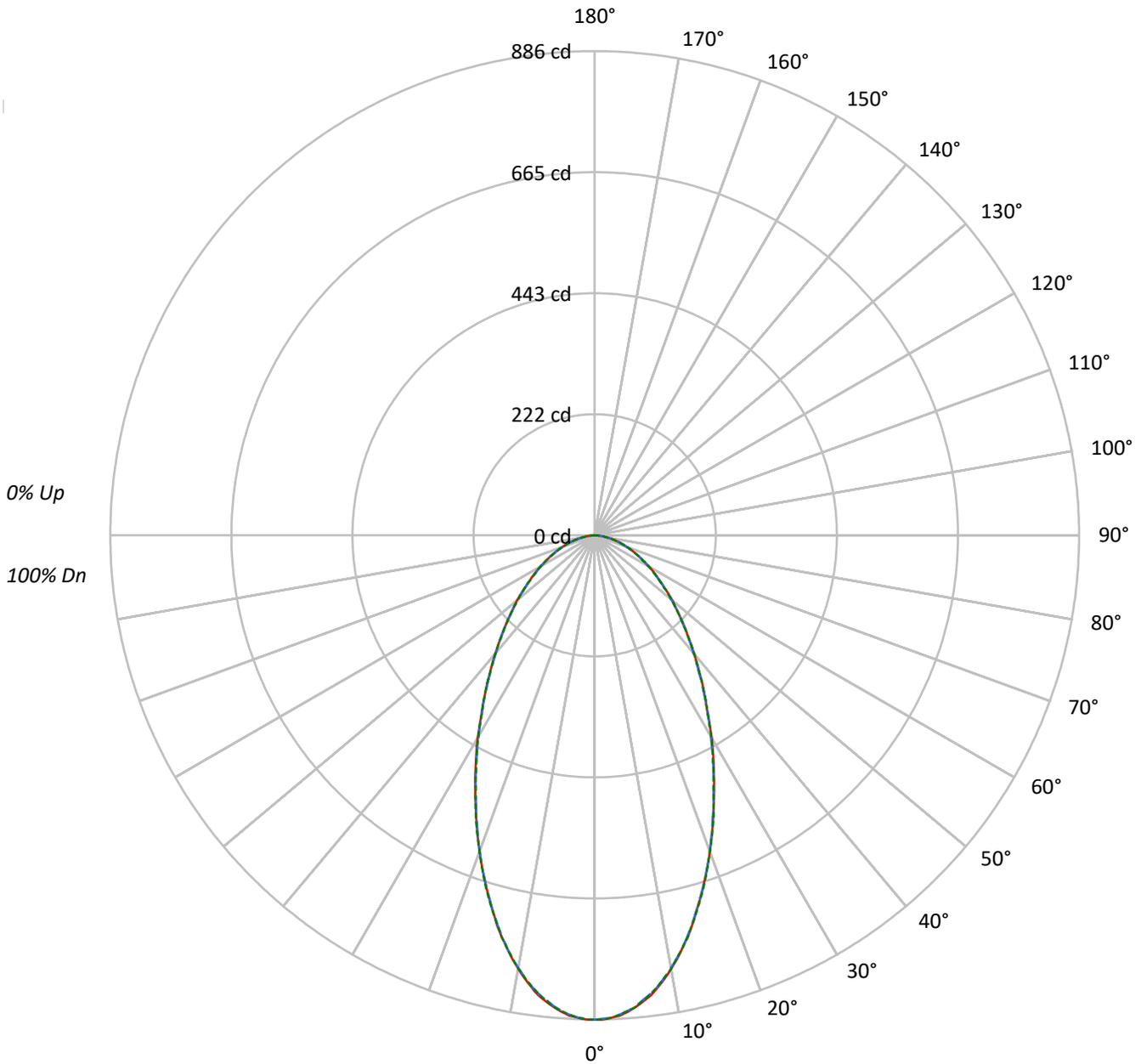
Test Method: LM-79-2019  
Report Number: P1318672  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R359830D010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1184.1 lumens  
Efficiency: N/A  
Efficacy: 43.2 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): 27.4  
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



0% Up  
100% Dn

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



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

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

	0°	45°	90°
0°	152641	152641	152641
5°	149784	149524	149784
10°	140830	140568	140830
15°	127501	127501	127786
20°	112861	112861	112861
25°	98149	97864	97864
30°	85095	84478	84776
35°	73249	72934	73249
40°	63557	63220	63557
45°	55824	55459	55459
50°	49540	49139	49139
55°	43598	43598	43598
60°	39473	38957	39473
65°	35494	35494	35494
70°	31572	31572	31572
75°	28480	27482	28480
80°	24200	24200	24200
85°	15018	15018	15018

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 55824 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.6	6.8
10°-20°	199.5	16.8
20°-30°	237.0	20.0
30°-40°	217.8	18.4
40°-50°	176.9	14.9
50°-60°	130.9	11.1
60°-70°	86.5	7.3
70°-80°	44.8	3.8
80°-90°	10.1	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°	517.1	43.7
0°-40°	734.9	62.1
0°-60°	1042.7	88.1
0°-90°	1184.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1184.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	886	886	886	886	886	
5°	866	865	865	865	866	81
15°	715	715	715	715	717	200
25°	516	515	515	516	515	237
35°	348	347	347	348	348	218
45°	229	228	228	228	228	177
55°	145	145	145	145	145	131
65°	87	87	87	87	87	87
75°	43	43	41	43	43	45
85°	8	8	8	8	8	10
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	886.3	886.3	886.3	886.3	886.3
1°	886.3	884.7	884.7	884.7	886.3
2°	883.2	883.2	883.2	883.2	883.2
3°	880.2	878.6	878.6	878.6	878.6
4°	874.0	872.5	872.5	872.5	872.5
5°	866.4	864.9	864.9	864.9	866.4
6°	857.2	855.7	854.2	854.2	855.7
7°	848.1	845.0	845.0	845.0	845.0
8°	834.3	832.8	832.8	832.8	832.8
9°	820.6	817.5	819.0	819.0	819.0
10°	805.3	803.8	803.8	803.8	805.3
11°	790.0	788.5	788.5	786.9	788.5
12°	771.7	771.7	771.7	771.7	771.7
13°	754.9	753.3	753.3	753.3	754.9
14°	736.5	735.0	735.0	735.0	735.0
15°	715.1	715.1	715.1	715.1	716.7
17.5°	666.2	664.7	666.2	666.2	667.8
20°	615.8	614.3	615.8	615.8	615.8
22.5°	565.4	565.4	563.9	565.4	566.9
25°	516.5	515.0	515.0	516.5	515.0
27.5°	470.6	469.1	469.1	469.1	469.1
30°	427.9	424.8	424.8	426.3	426.3
32.5°	383.5	383.5	385.1	383.5	383.5
35°	348.4	346.9	346.9	348.4	348.4
37.5°	313.3	311.7	311.7	313.3	313.3
40°	282.7	282.7	281.2	282.7	282.7
42.5°	253.7	253.7	253.7	253.7	253.7
45°	229.2	227.7	227.7	227.7	227.7
47.5°	204.8	204.8	204.8	203.2	204.8
50°	184.9	183.4	183.4	183.4	183.4
52.5°	163.5	163.5	163.5	163.5	163.5
55°	145.2	145.2	145.2	145.2	145.2
57.5°	129.9	128.4	128.4	128.4	128.4
60°	114.6	114.6	113.1	114.6	114.6
62.5°	99.3	99.3	99.3	99.3	99.3
65°	87.1	87.1	87.1	87.1	87.1
67.5°	74.9	74.9	74.9	74.9	74.9
70°	62.7	62.7	62.7	62.7	62.7
72.5°	53.5	52.0	52.0	52.0	52.0
75°	42.8	42.8	41.3	42.8	42.8
77.5°	32.1	32.1	32.1	32.1	32.1
80°	24.4	24.4	24.4	22.9	24.4
82.5°	15.3	15.3	15.3	15.3	15.3
85°	7.6	7.6	7.6	7.6	7.6
87.5°	1.5	1.5	1.5	3.1	3.1



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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)