

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: P1317212

Luminaire Tested: LDSQA3D05R359827DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

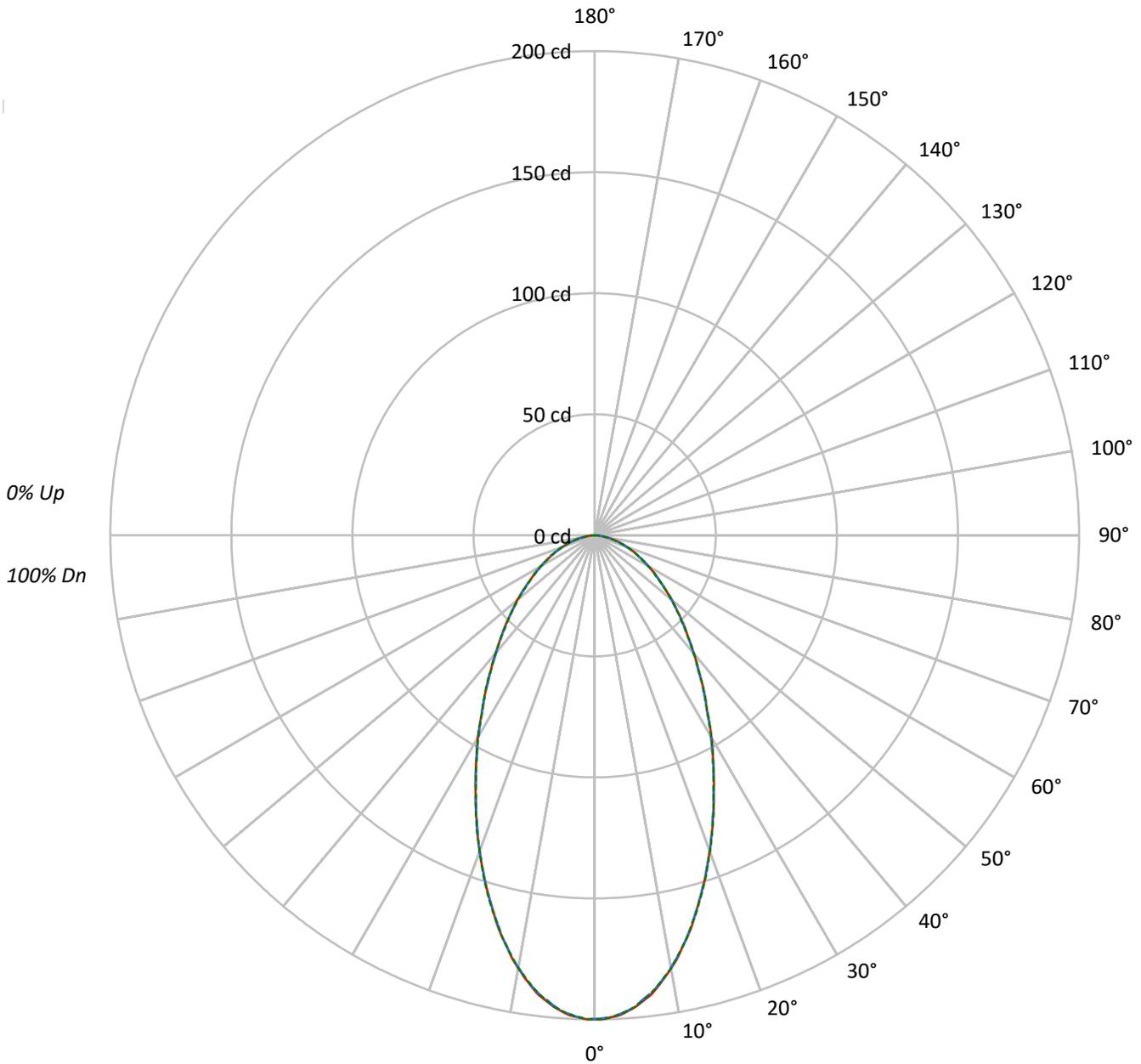
Test Method: LM-79-2019  
Report Number: P1317212  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R359827DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 266.9 lumens  
Efficiency: N/A  
Efficacy: 37.1 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): 7.2  
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



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

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

	0°	45°	90°
0°	34427	34427	34427
5°	33781	33712	33781
10°	31758	31706	31758
15°	28759	28759	28813
20°	25457	25457	25457
25°	22138	22062	22062
30°	19191	19051	19111
35°	16525	16441	16525
40°	14321	14254	14321
45°	12592	12495	12495
50°	11173	11092	11092
55°	9819	9819	9819
60°	8887	8783	8887
65°	7987	7987	7987
70°	7100	7100	7100
75°	6388	6188	6388
80°	5455	5455	5455
85°	3359	3359	3359

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12592 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.2	6.8
10°-20°	45.0	16.9
20°-30°	53.5	20.0
30°-40°	49.1	18.4
40°-50°	39.9	14.9
50°-60°	29.5	11.1
60°-70°	19.5	7.3
70°-80°	10.1	3.8
80°-90°	2.2	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°	116.6	43.7
0°-40°	165.7	62.1
0°-60°	235.1	88.1
0°-90°	266.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	266.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	200	200	200	200	200	
5°	195	195	195	195	195	18
15°	161	161	161	161	162	45
25°	116	116	116	116	116	54
35°	79	78	78	79	79	49
45°	52	51	51	51	51	40
55°	33	33	33	33	33	30
65°	20	20	20	20	20	19
75°	10	10	9	10	10	10
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	199.9	199.9	199.9	199.9	199.9
1°	199.9	199.5	199.5	199.5	199.9
2°	199.2	199.2	199.2	199.2	199.2
3°	198.5	198.1	198.1	198.1	198.1
4°	197.1	196.8	196.8	196.8	196.8
5°	195.4	195.0	195.0	195.0	195.4
6°	193.3	193.0	192.6	192.6	193.0
7°	191.2	190.6	190.6	190.6	190.6
8°	188.1	187.8	187.8	187.8	187.8
9°	185.0	184.4	184.7	184.7	184.7
10°	181.6	181.3	181.3	181.3	181.6
11°	178.2	177.8	177.8	177.5	177.8
12°	174.0	174.0	174.0	174.0	174.0
13°	170.2	169.9	169.9	169.9	170.2
14°	166.1	165.7	165.7	165.7	165.7
15°	161.3	161.3	161.3	161.3	161.6
17.5°	150.2	149.9	150.2	150.2	150.6
20°	138.9	138.5	138.9	138.9	138.9
22.5°	127.5	127.5	127.2	127.5	127.8
25°	116.5	116.1	116.1	116.5	116.1
27.5°	106.1	105.8	105.8	105.8	105.8
30°	96.5	95.8	95.8	96.1	96.1
32.5°	86.5	86.5	86.8	86.5	86.5
35°	78.6	78.2	78.2	78.6	78.6
37.5°	70.6	70.3	70.3	70.6	70.6
40°	63.7	63.7	63.4	63.7	63.7
42.5°	57.2	57.2	57.2	57.2	57.2
45°	51.7	51.3	51.3	51.3	51.3
47.5°	46.2	46.2	46.2	45.8	46.2
50°	41.7	41.4	41.4	41.4	41.4
52.5°	36.9	36.9	36.9	36.9	36.9
55°	32.7	32.7	32.7	32.7	32.7
57.5°	29.3	28.9	28.9	28.9	28.9
60°	25.8	25.8	25.5	25.8	25.8
62.5°	22.4	22.4	22.4	22.4	22.4
65°	19.6	19.6	19.6	19.6	19.6
67.5°	16.9	16.9	16.9	16.9	16.9
70°	14.1	14.1	14.1	14.1	14.1
72.5°	12.1	11.7	11.7	11.7	11.7
75°	9.6	9.6	9.3	9.6	9.6
77.5°	7.2	7.2	7.2	7.2	7.2
80°	5.5	5.5	5.5	5.2	5.5
82.5°	3.4	3.4	3.4	3.4	3.4
85°	1.7	1.7	1.7	1.7	1.7
87.5°	0.3	0.3	0.3	0.7	0.7



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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)