

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: P1310046

Luminaire Tested: LDSQA3D05R309035DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

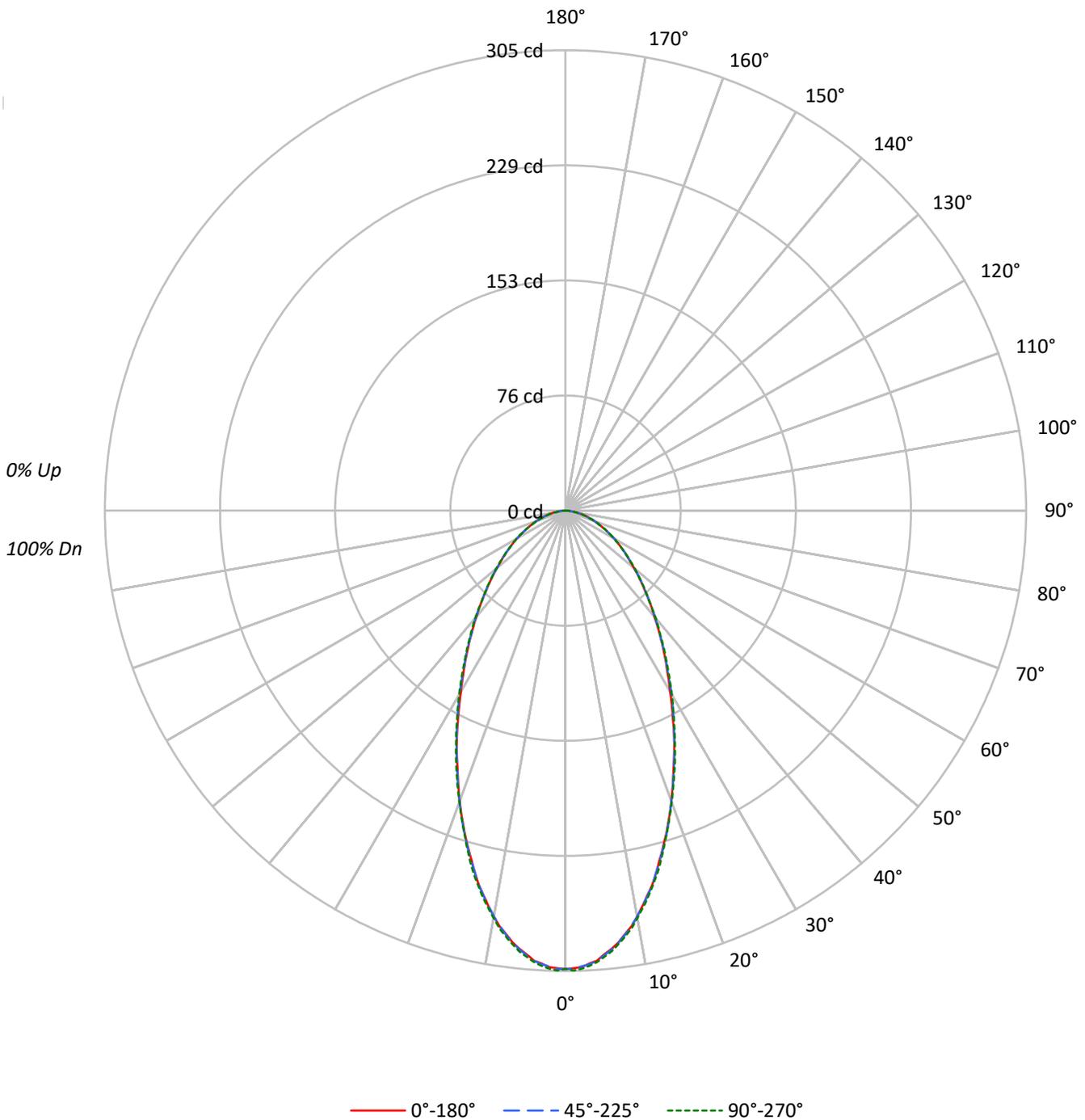
Test Method: LM-79-2019  
Report Number: P1310046  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R309035DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 390.1 lumens  
Efficiency: N/A  
Efficacy: 54.2 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
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





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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35

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

	0°	45°	90°
0°	52304	52304	52304
5°	51017	51103	51294
10°	47742	47742	47934
15°	42809	42898	43184
20°	37571	37571	37663
25°	32400	32400	32609
30°	27563	27901	28000
35°	23821	23926	24052
40°	20616	20751	20863
45°	17999	18121	18121
50°	15888	15888	16049
55°	14262	14262	14262
60°	12813	12813	12813
65°	11451	11451	11451
70°	10323	10323	10323
75°	9316	8983	8983
80°	8034	7538	7538
85°	5335	5335	5335

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 18121 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.5	7.1
10°-20°	67.1	17.2
20°-30°	78.3	20.1
30°-40°	71.3	18.3
40°-50°	57.6	14.8
50°-60°	42.5	10.9
60°-70°	28.0	7.2
70°-80°	14.5	3.7
80°-90°	3.3	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°	172.9	44.3
0°-40°	244.2	62.6
0°-60°	344.2	88.3
0°-90°	390.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	390.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	304	304	304	304	304	
5°	295	295	296	296	297	27
15°	240	241	241	241	242	67
25°	170	170	170	170	172	78
35°	113	113	114	114	114	71
45°	74	74	74	74	74	57
55°	48	47	48	47	48	43
65°	28	28	28	28	28	28
75°	14	14	14	14	14	15
85°	3	3	3	3	3	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	303.7	303.7	303.7	303.7	303.7
1°	303.2	303.2	303.7	303.2	304.8
2°	302.6	302.1	302.1	302.1	303.7
3°	300.5	300.5	301.0	300.5	302.1
4°	298.9	298.3	298.9	298.3	299.9
5°	295.1	295.1	295.6	295.6	296.7
6°	291.9	291.9	292.4	291.9	293.5
7°	288.1	288.1	288.1	288.1	289.2
8°	283.2	283.2	283.8	283.8	284.8
9°	278.9	278.4	278.4	278.4	280.0
10°	273.0	273.0	273.0	273.0	274.1
11°	267.0	267.0	267.0	267.0	268.1
12°	260.6	260.6	261.1	260.6	262.2
13°	254.6	254.6	254.6	254.6	255.7
14°	247.6	247.1	247.6	247.6	249.2
15°	240.1	240.6	240.6	240.6	242.2
17.5°	222.8	222.8	223.3	222.3	223.3
20°	205.0	204.5	205.0	205.0	205.5
22.5°	186.7	187.2	187.2	187.2	188.3
25°	170.5	169.9	170.5	170.5	171.6
27.5°	153.8	154.3	154.8	154.3	155.4
30°	138.6	139.7	140.3	139.2	140.8
32.5°	125.2	125.2	125.7	126.2	126.8
35°	113.3	112.8	113.8	113.8	114.4
37.5°	102.0	102.0	102.0	102.5	103.0
40°	91.7	91.7	92.3	92.3	92.8
42.5°	82.5	82.0	82.5	82.5	82.5
45°	73.9	74.4	74.4	74.4	74.4
47.5°	66.4	66.4	66.9	66.4	66.9
50°	59.3	59.3	59.3	59.3	59.9
52.5°	52.9	52.9	52.9	52.9	53.4
55°	47.5	46.9	47.5	46.9	47.5
57.5°	42.1	42.1	42.1	42.1	42.1
60°	37.2	36.7	37.2	36.7	37.2
62.5°	32.4	32.4	32.4	32.4	32.4
65°	28.1	28.1	28.1	28.1	28.1
67.5°	24.3	24.3	24.3	23.7	23.7
70°	20.5	20.5	20.5	20.5	20.5
72.5°	17.3	16.7	16.7	16.7	16.7
75°	14.0	13.5	13.5	13.5	13.5
77.5°	10.8	10.8	10.3	10.3	10.8
80°	8.1	7.6	7.6	7.6	7.6
82.5°	4.9	4.9	4.9	4.9	4.9
85°	2.7	2.7	2.7	2.7	2.7
87.5°	0.5	0.5	0.5	1.1	1.1



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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)