

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: P1306836

Luminaire Tested: LDSQA3D05R309024DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

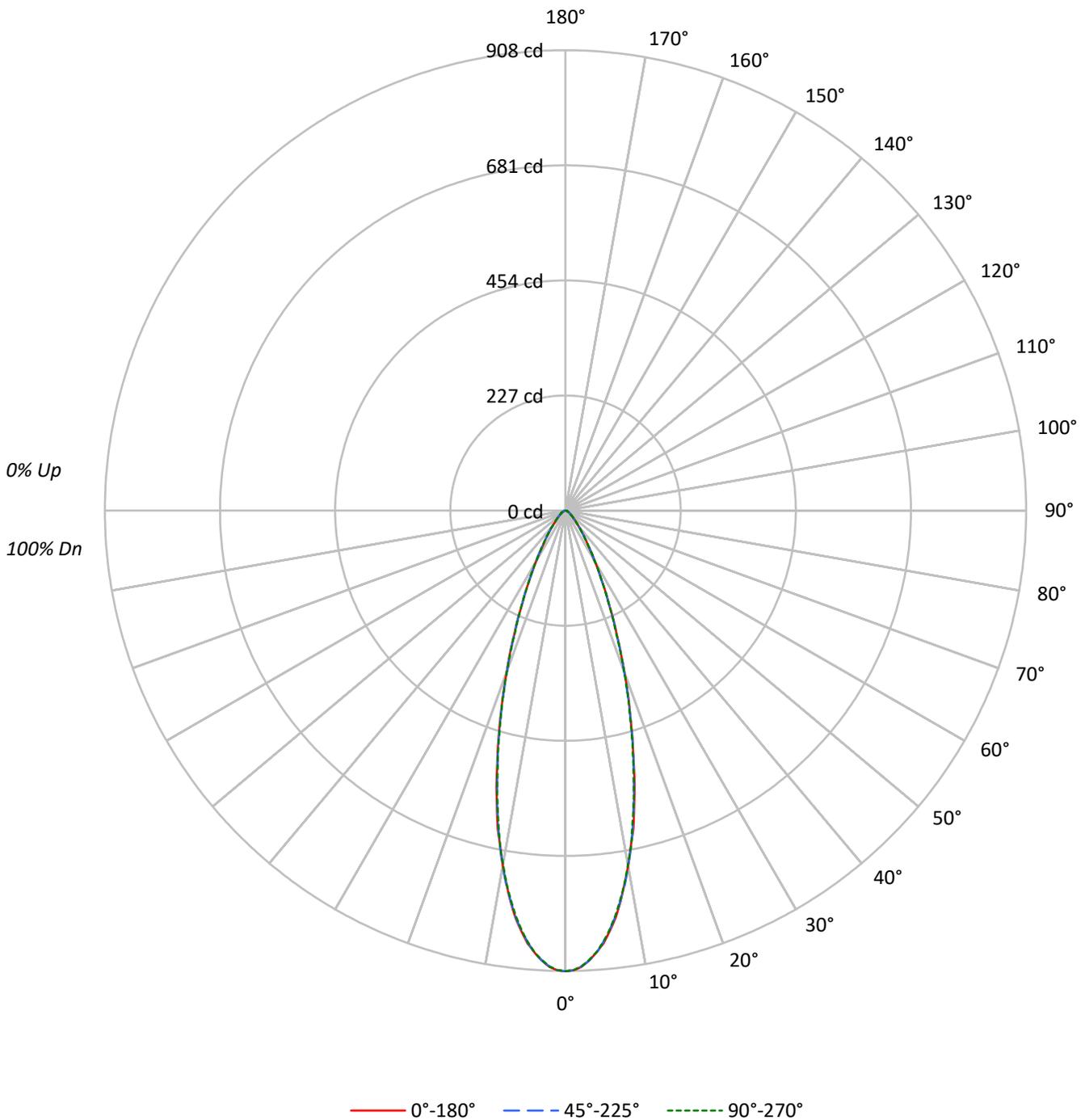
Test Method: LM-79-2019  
Report Number: P1306836  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R309024DE010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 399.0 lumens  
Efficiency: N/A  
Efficacy: 55.4 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57  
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	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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	59	58

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

	0°	45°	90°
0°	156464	156464	156464
5°	148141	147761	147675
10°	124444	124444	123990
15°	92715	92483	91930
20°	62057	61727	61819
25°	38252	38176	38328
30°	23009	23009	23088
35°	14107	14107	14192
40°	8925	8925	9128
45°	6138	6235	6235
50°	4501	4501	4501
55°	3453	3573	3573
60°	2893	2893	3031
65°	2527	2527	2527
70°	2216	2467	2467
75°	2063	2063	2063
80°	1785	1785	1785
85°	790	790	790

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 6235 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.0	19.3
10°-20°	142.2	35.6
20°-30°	94.5	23.7
30°-40°	43.7	11.0
40°-50°	20.3	5.1
50°-60°	10.8	2.7
60°-70°	6.3	1.6
70°-80°	3.4	0.8
80°-90°	0.7	0.2
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°	313.8	78.6
0°-40°	357.5	89.6
0°-60°	388.6	97.4
0°-90°	399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	399.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	908	908	908	908	908	
5°	857	855	855	857	854	77
15°	520	522	519	519	516	143
25°	201	201	201	201	202	95
35°	67	67	67	68	68	43
45°	25	25	26	26	26	20
55°	12	12	12	12	12	11
65°	6	6	6	6	6	6
75°	3	3	3	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	908.5	908.5	908.5	908.5	908.5
1°	906.8	905.9	906.8	908.1	906.3
2°	900.6	899.7	899.7	901.5	899.7
3°	888.7	889.5	889.1	890.9	887.8
4°	873.6	873.2	875.0	875.9	873.2
5°	856.9	855.1	854.7	856.9	854.2
6°	833.9	832.6	831.7	834.4	830.8
7°	809.2	808.3	807.0	807.9	805.2
8°	778.7	778.3	777.4	778.3	775.2
9°	744.7	744.7	746.5	746.1	744.3
10°	711.6	712.5	711.6	712.5	709.0
11°	674.6	674.6	675.4	675.0	675.4
12°	642.3	638.8	637.9	637.0	634.4
13°	600.8	598.2	597.3	598.2	596.9
14°	562.9	561.1	556.7	557.6	555.8
15°	520.0	521.8	518.7	518.7	515.6
17.5°	425.1	423.4	424.2	424.7	423.4
20°	338.6	337.7	336.8	336.0	337.3
22.5°	263.1	263.6	262.7	261.8	260.9
25°	201.3	200.9	200.9	200.9	201.7
27.5°	152.7	152.7	152.7	153.2	153.2
30°	115.7	114.8	115.7	116.1	116.1
32.5°	86.5	87.4	87.9	87.9	87.9
35°	67.1	66.7	67.1	67.5	67.5
37.5°	51.2	51.2	51.7	51.7	52.1
40°	39.7	39.7	39.7	40.2	40.6
42.5°	31.3	31.3	31.8	31.8	32.2
45°	25.2	25.2	25.6	25.6	25.6
47.5°	20.3	20.3	20.7	20.7	20.7
50°	16.8	16.8	16.8	16.8	16.8
52.5°	14.1	13.7	14.1	14.1	14.1
55°	11.5	11.9	11.9	11.9	11.9
57.5°	9.7	10.2	10.2	10.2	10.2
60°	8.4	8.4	8.4	8.8	8.8
62.5°	7.1	7.5	7.5	7.5	7.5
65°	6.2	6.2	6.2	6.2	6.2
67.5°	5.3	5.3	5.3	5.3	5.7
70°	4.4	4.4	4.9	4.9	4.9
72.5°	4.0	4.0	4.0	4.0	4.0
75°	3.1	3.1	3.1	3.1	3.1
77.5°	2.2	2.2	2.6	2.6	2.2
80°	1.8	1.8	1.8	1.8	1.8
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0



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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)