

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: P1306637

Luminaire Tested: LDSQA3D02R209024DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

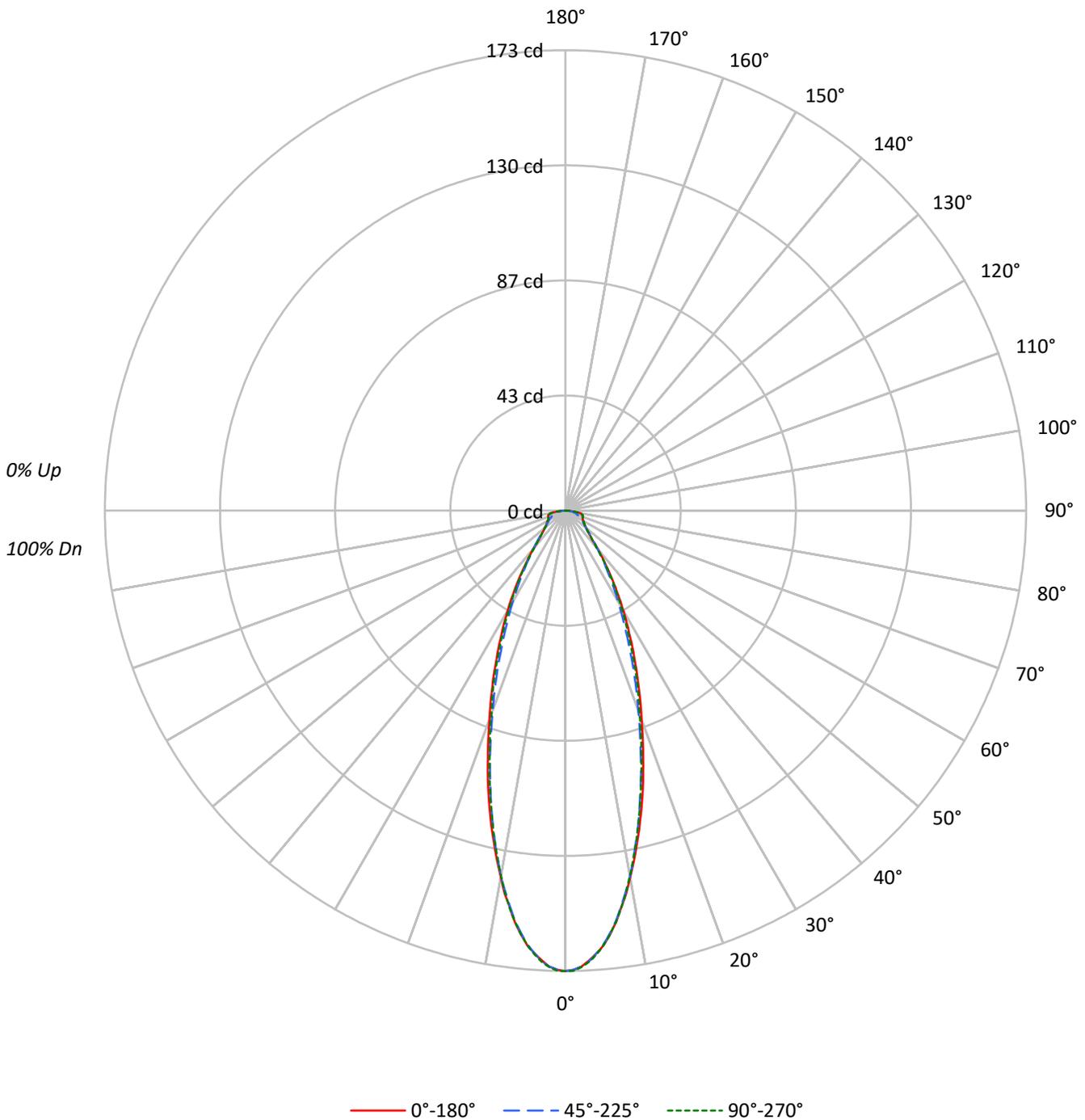
Test Method: LM-79-2019  
Report Number: P1306637  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R209024DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 122.0 lumens  
Efficiency: N/A  
Efficacy: 33.9 lumens/watt  
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 3.6  
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				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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

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

	0°	45°	90°
0°	29795	29795	29795
5°	28352	28283	28352
10°	24466	24396	24361
15°	19862	19399	19470
20°	15304	14625	14900
25°	11630	10775	11307
30°	8631	7855	8372
35°	6097	5677	5992
40°	4204	4204	4092
45°	3093	3239	3093
50°	2706	2706	2706
55°	2582	2522	2582
60°	2652	2446	2652
65°	2893	2445	2893
70°	3474	2467	3474
75°	4458	2728	4458
80°	5554	2777	5356
85°	4150	2569	4742

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 5554 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.8	12.2
10°-20°	30.3	24.8
20°-30°	27.1	22.2
30°-40°	17.8	14.5
40°-50°	10.3	8.5
50°-60°	7.7	6.3
60°-70°	6.5	5.3
70°-80°	5.4	4.4
80°-90°	2.2	1.8
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
<b>0°-30°</b>	<b>72.2</b>	<b>59.2</b>
<b>0°-40°</b>	<b>90.0</b>	<b>73.7</b>
<b>0°-60°</b>	<b>108.0</b>	<b>88.5</b>
<b>0°-90°</b>	<b>122.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>122.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	173	173	173	173	173	
5°	164	164	164	164	164	15
15°	111	110	109	109	109	31
25°	61	60	57	58	60	28
35°	29	28	27	28	28	18
45°	13	13	13	13	13	10
55°	9	8	8	8	9	8
65°	7	6	6	6	7	7
75°	7	5	4	5	7	7
85°	2	2	1	2	2	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	173.0	173.0	173.0	173.0	173.0
1°	172.6	172.8	172.6	172.8	173.0
2°	171.5	171.7	171.5	171.5	171.7
3°	169.3	169.6	169.6	169.6	169.8
4°	166.8	167.0	166.8	167.0	167.2
5°	164.0	163.8	163.6	163.8	164.0
6°	160.1	159.9	159.7	159.9	160.1
7°	155.8	155.6	155.4	155.4	155.6
8°	150.5	150.7	150.0	150.5	150.7
9°	145.7	145.3	144.9	144.9	145.3
10°	139.9	139.5	139.5	139.3	139.3
12.5°	125.8	124.9	124.3	124.3	124.5
15°	111.4	110.3	108.8	109.0	109.2
17.5°	97.0	95.7	93.8	94.2	94.7
20°	83.5	82.2	79.8	80.7	81.3
22.5°	71.9	70.0	67.8	68.5	70.6
25°	61.2	59.5	56.7	58.2	59.5
27.5°	51.7	49.8	47.4	48.9	50.2
30°	43.4	41.6	39.5	40.8	42.1
32.5°	35.8	34.3	32.8	33.7	34.8
35°	29.0	28.1	27.0	27.9	28.5
37.5°	23.4	23.0	22.5	23.0	22.8
40°	18.7	18.9	18.7	18.7	18.2
42.5°	14.8	15.5	15.7	15.2	14.8
45°	12.7	12.9	13.3	12.9	12.7
47.5°	11.2	11.2	11.4	11.2	10.9
50°	10.1	10.1	10.1	10.1	10.1
52.5°	9.2	9.2	9.0	9.2	9.2
55°	8.6	8.4	8.4	8.4	8.6
57.5°	8.2	7.9	7.7	7.9	8.2
60°	7.7	7.3	7.1	7.3	7.7
62.5°	7.3	6.9	6.7	6.9	7.3
65°	7.1	6.4	6.0	6.4	7.1
67.5°	6.9	6.0	5.6	6.0	7.1
70°	6.9	5.6	4.9	5.8	6.9
72.5°	6.7	5.4	4.5	5.4	6.7
75°	6.7	4.9	4.1	4.9	6.7
77.5°	6.2	4.5	3.4	4.5	6.2
80°	5.6	4.1	2.8	4.1	5.4
82.5°	4.1	3.4	2.1	3.4	4.1
85°	2.1	2.4	1.3	2.4	2.4
87.5°	0.2	0.9	0.4	1.3	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)