

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: P1306684

Luminaire Tested: LDSQA3D02R359024DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

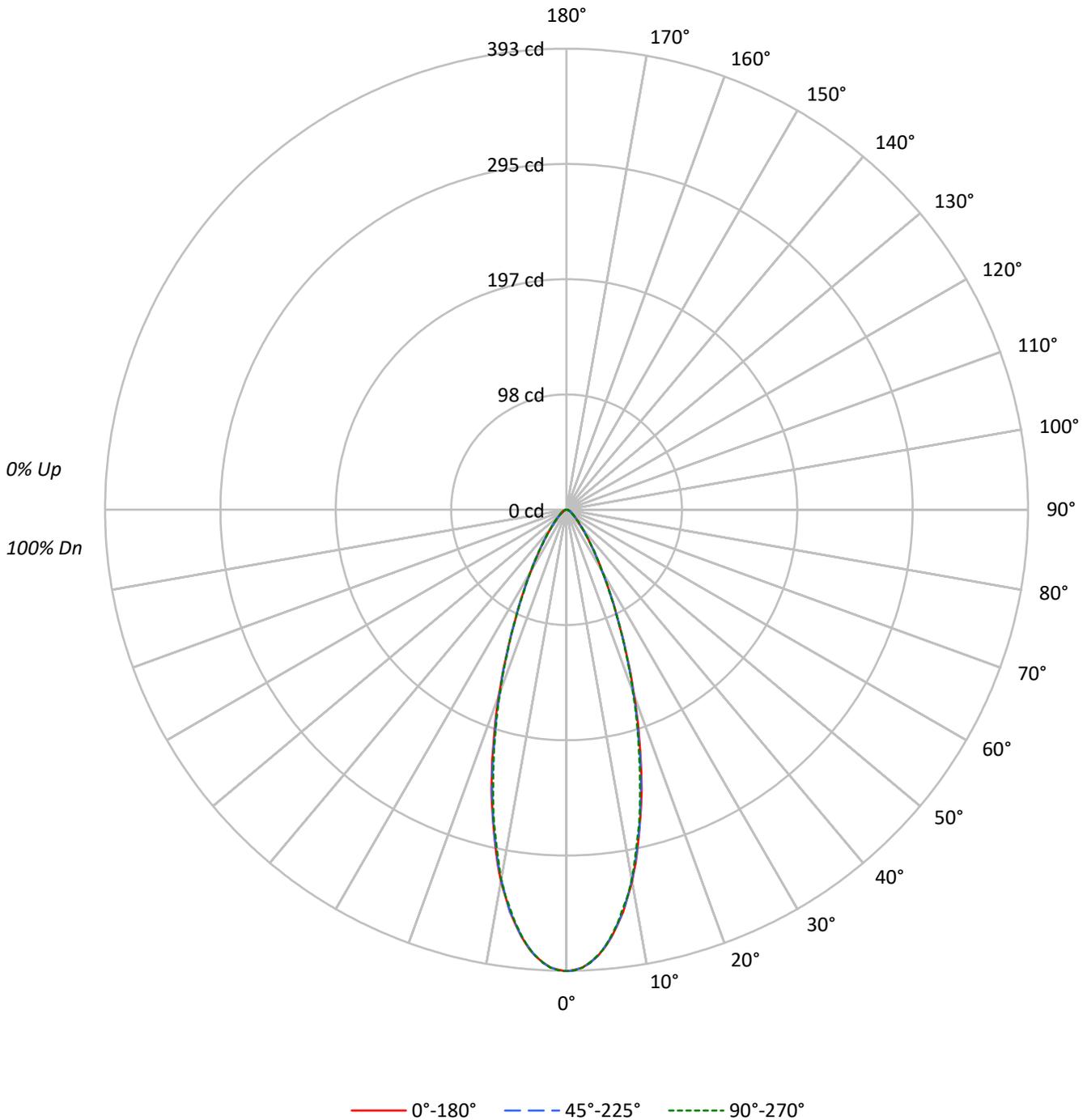
Test Method: LM-79-2019  
Report Number: P1306684  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R359024DE010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 194.0 lumens  
Efficiency: N/A  
Efficacy: 53.9 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
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 (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





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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	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	95	96	96	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	88	86	83	82
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	84	81	78	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	80	77	74	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	76	73	70	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	73	69	66	65
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	67	63	60	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	64	60	57	56

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

	0°	45°	90°
0°	67752	67752	67752
5°	64744	64623	64744
10°	56206	56014	55944
15°	44040	43701	43005
20°	30809	30534	30332
25°	19573	19687	19573
30°	12051	12131	12051
35°	7464	7506	7506
40°	4744	4789	4789
45°	3191	3239	3288
50°	2304	2358	2358
55°	1802	1802	1802
60°	1481	1481	1481
65°	1304	1304	1304
70°	1209	1209	1209
75°	998	998	998
80°	893	893	893
85°	395	395	790

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 3288 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.0	17.5
10°-20°	66.9	34.5
20°-30°	48.3	24.9
30°-40°	23.3	12.0
40°-50°	10.7	5.5
50°-60°	5.6	2.9
60°-70°	3.2	1.7
70°-80°	1.6	0.8
80°-90°	0.4	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
<b>0°-30°</b>	<b>149.2</b>	<b>76.9</b>
<b>0°-40°</b>	<b>172.5</b>	<b>88.9</b>
<b>0°-60°</b>	<b>188.8</b>	<b>97.3</b>
<b>0°-90°</b>	<b>194.0</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>194.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	393	393	393	393	393	
5°	374	375	374	374	374	34
15°	247	247	245	244	241	67
25°	103	103	104	104	103	48
35°	36	36	36	36	36	23
45°	13	13	13	14	14	11
55°	6	6	6	6	6	5
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	393.4	393.4	393.4	393.4	393.4
1°	392.3	392.9	392.7	392.9	392.7
2°	390.4	390.8	390.4	390.6	390.6
3°	386.3	386.7	386.7	386.5	386.3
4°	381.3	382.4	381.3	381.5	380.9
5°	374.5	375.3	373.8	374.0	374.5
6°	366.1	366.3	365.9	365.6	365.2
7°	356.4	357.3	355.8	356.0	355.5
8°	346.1	345.9	345.9	345.0	343.7
9°	333.6	334.5	333.2	332.8	333.0
10°	321.4	321.4	320.3	319.2	319.9
11°	307.4	307.0	306.3	304.8	304.4
12°	292.1	293.0	291.1	290.4	288.9
13°	276.4	277.7	276.9	274.5	274.7
14°	261.8	261.0	260.3	259.9	258.4
15°	247.0	246.6	245.1	244.0	241.2
17.5°	206.4	206.8	204.0	203.6	202.5
20°	168.1	166.8	166.6	166.8	165.5
22.5°	132.6	133.9	132.4	132.6	131.8
25°	103.0	103.2	103.6	103.6	103.0
27.5°	80.0	80.0	79.5	80.0	79.3
30°	60.6	60.6	61.0	61.5	60.6
32.5°	46.9	46.9	46.9	47.1	47.3
35°	35.5	35.5	35.7	35.7	35.7
37.5°	27.3	27.5	27.7	27.7	27.7
40°	21.1	21.3	21.3	21.5	21.3
42.5°	16.8	16.8	16.8	17.0	17.0
45°	13.1	13.3	13.3	13.5	13.5
47.5°	10.7	10.7	10.7	11.0	11.0
50°	8.6	8.8	8.8	8.8	8.8
52.5°	7.1	7.1	7.3	7.3	7.3
55°	6.0	6.0	6.0	6.0	6.0
57.5°	4.9	5.2	5.2	5.2	5.2
60°	4.3	4.3	4.3	4.3	4.3
62.5°	3.7	3.7	3.7	3.7	3.7
65°	3.2	3.2	3.2	3.2	3.2
67.5°	2.6	2.8	2.8	2.8	2.8
70°	2.4	2.4	2.4	2.4	2.4
72.5°	1.7	1.9	1.9	1.9	1.9
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.3	1.1	1.1	1.1	1.3
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.2	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.2	0.2



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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)