

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: P1317123

Luminaire Tested: LDSQA3D02R709827DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

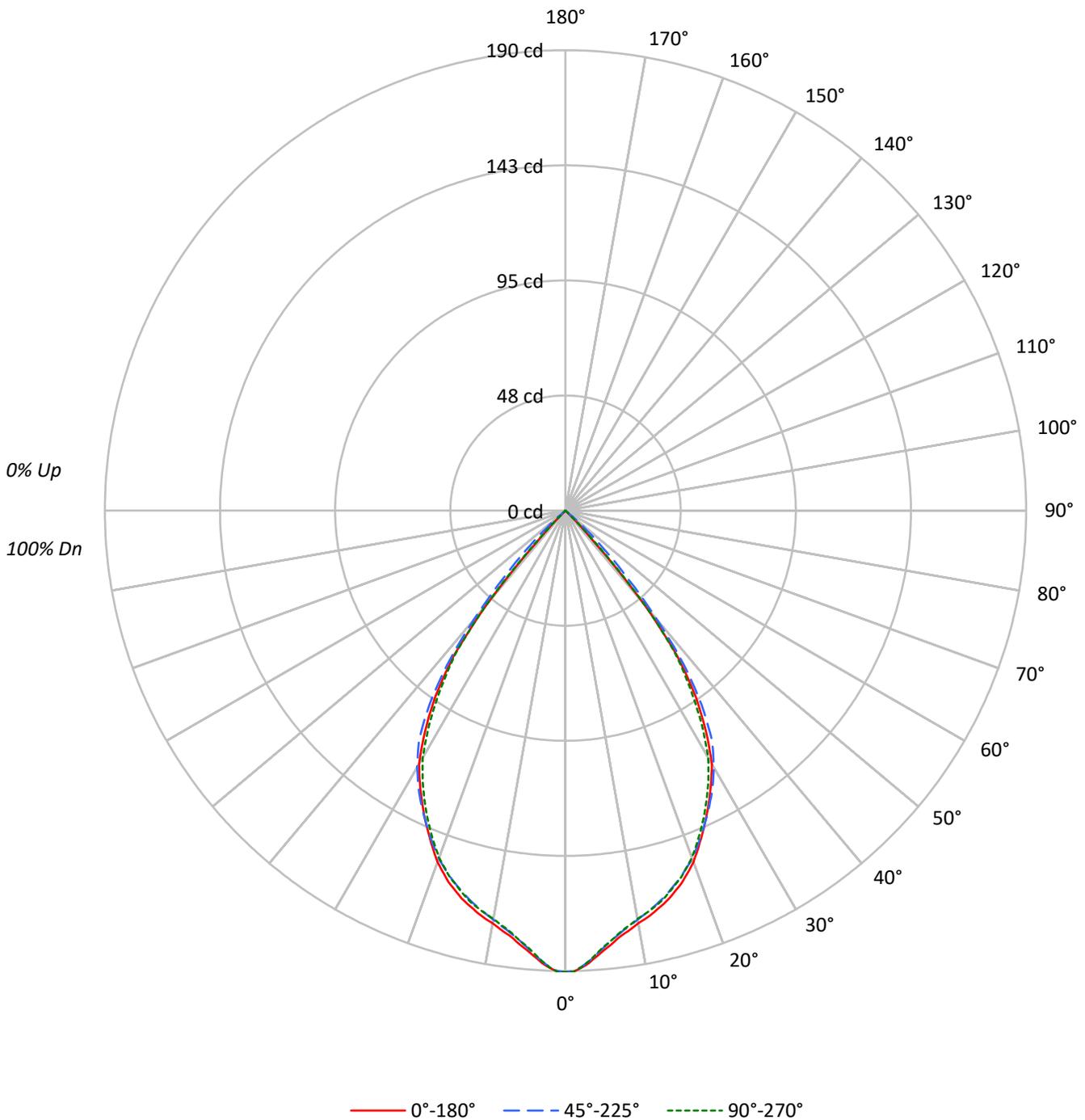
Test Method: LM-79-2019  
Report Number: P1317123  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R709827DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 197.0 lumens  
Efficiency: N/A  
Efficacy: 54.7 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
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				
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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	95	95	95	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	88	88	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	81	81	81	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	75	75	75	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	70	70	70	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	65	65	65	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	60	60	60	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	56	56	56	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	53	53	53	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	49	49	49	48

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

	0°	45°	90°
0°	32791	32791	32791
5°	31482	31309	31222
10°	30237	29974	29922
15°	29526	29116	29170
20°	28279	28004	27931
25°	26243	26300	25901
30°	24023	24341	23426
35°	19658	20604	18880
40°	11308	13174	11601
45°	170	5480	560
50°	0	589	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 5480 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.0	8.6
10°-20°	46.0	23.4
20°-30°	63.2	32.1
30°-40°	57.3	29.1
40°-50°	13.3	6.8
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	126.3	64.1
0°-40°	183.6	93.2
0°-60°	197.0	100.0
0°-90°	197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	197.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	190	190	190	190	190	
5°	182	182	181	181	181	17
15°	166	164	163	163	164	46
25°	138	139	138	137	136	63
35°	94	95	98	94	90	56
45°	1	8	22	10	2	8
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	190.4	190.4	190.4	190.4	190.4
1°	190.3	189.9	190.1	190.3	190.4
2°	188.8	188.4	188.4	188.6	188.6
3°	186.9	186.3	186.3	186.1	186.1
4°	184.4	183.9	183.6	183.4	183.4
5°	182.1	181.6	181.1	180.8	180.6
6°	180.1	179.3	178.6	178.4	178.6
7°	177.8	177.3	176.6	176.1	176.3
8°	176.1	175.4	174.6	174.3	174.3
9°	174.6	173.9	173.1	172.4	172.8
10°	172.9	172.3	171.4	170.9	171.1
11°	171.8	170.9	169.9	169.6	169.8
12°	170.4	169.4	168.4	168.3	168.6
13°	168.8	167.8	166.8	166.8	167.1
14°	167.3	166.1	165.1	165.1	165.6
15°	165.6	164.4	163.3	163.3	163.6
17.5°	160.6	159.6	158.4	158.4	158.6
20°	154.3	153.8	152.8	152.3	152.4
22.5°	146.3	146.3	145.8	144.9	144.6
25°	138.1	138.8	138.4	137.1	136.3
27.5°	129.6	130.8	130.9	128.9	127.4
30°	120.8	121.8	122.4	120.1	117.8
32.5°	107.8	110.8	112.5	109.3	104.5
35°	93.5	94.8	98.0	93.8	89.8
37.5°	76.0	77.6	80.3	77.0	74.6
40°	50.3	57.0	58.6	57.0	51.6
42.5°	18.2	32.0	38.5	32.7	21.3
45°	0.7	7.5	22.5	9.7	2.3
47.5°	0.0	0.2	10.2	0.3	0.0
50°	0.0	0.0	2.2	0.0	0.0
52.5°	0.0	0.0	0.2	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)