

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: P1310281

Luminaire Tested: LDSQA3D09R709035DE010 3LSQCLDWWR1MMS

Issue Date: 1/29/2026

**Test Information**

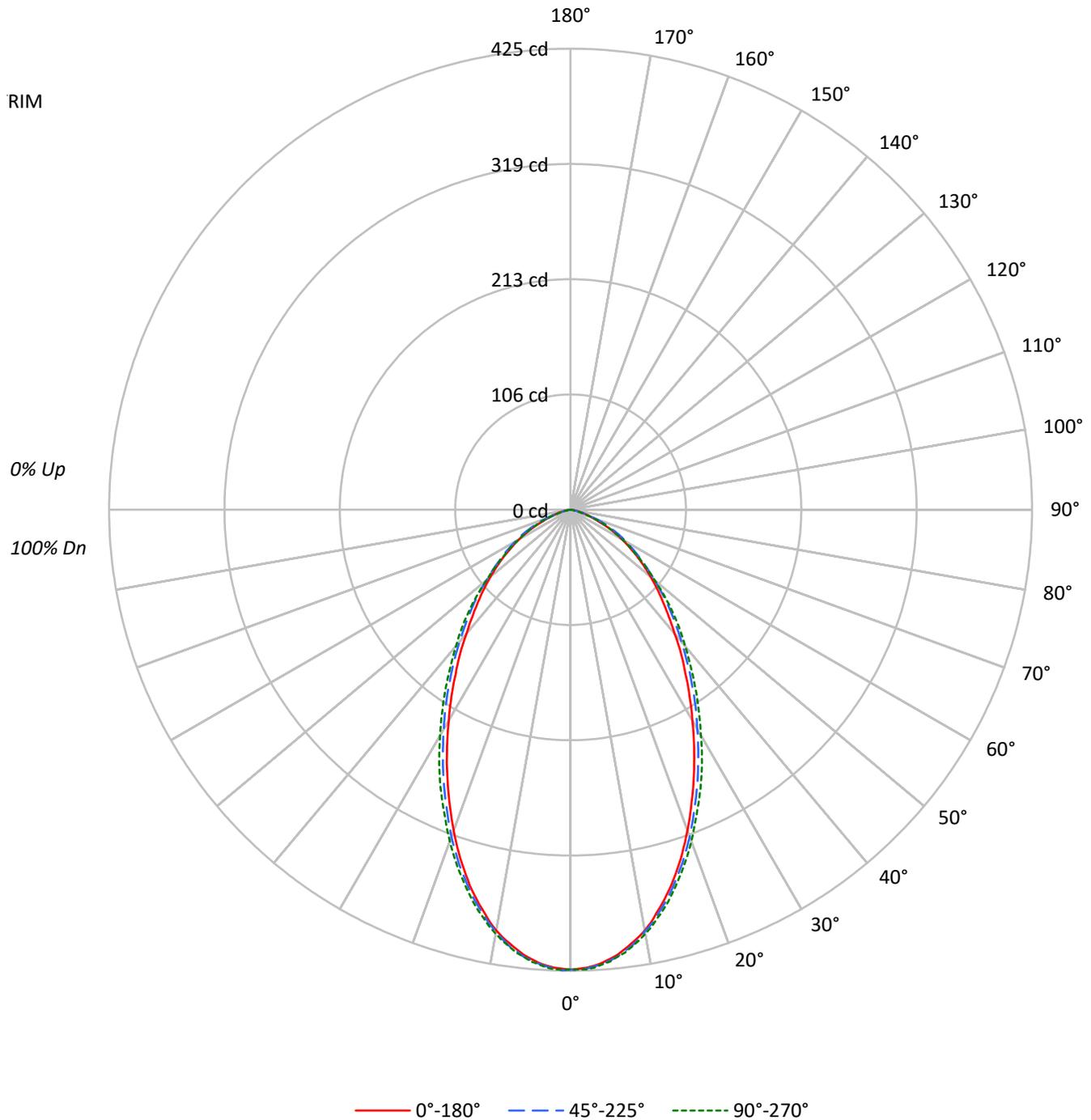
Test Method: LM-79-2019  
Report Number: P1310281  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R709035DE010 3LSQCLDWWR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCLDWWR1MMS T  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 607.0 lumens  
Efficiency: N/A  
Efficacy: 54.7 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 11.1  
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	108	104	101	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35

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

	0°	45°	90°
0°	73022	73022	73022
5°	71866	72126	72264
10°	68885	69007	69410
15°	63920	64455	64990
20°	57695	58795	59620
25°	51098	52523	53816
30°	44625	46435	47768
35°	38790	40851	42112
40°	33521	35724	36916
45°	29349	31370	32272
50°	25829	27034	27034
55°	22399	23510	22850
60°	18944	20219	19186
65°	14711	16871	15363
70°	10625	12538	10625
75°	7985	7519	5989
80°	5256	3769	1488
85°	1581	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 32272 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.1	6.4
10°-20°	100.9	16.6
20°-30°	126.7	20.9
30°-40°	121.0	19.9
40°-50°	98.4	16.2
50°-60°	68.9	11.3
60°-70°	38.9	6.4
70°-80°	12.3	2.0
80°-90°	1.0	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°	266.7	43.9
0°-40°	387.6	63.9
0°-60°	554.8	91.4
0°-90°	607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	607.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	424	424	424	424	424	
5°	416	416	417	416	418	39
15°	358	359	362	362	364	100
25°	269	272	276	281	283	123
35°	184	188	194	198	200	116
45°	120	124	129	131	132	93
55°	75	75	78	77	76	67
65°	36	38	41	39	38	36
75°	12	12	11	10	9	13
85°	1	1	0	0	0	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	424.0	424.0	424.0	424.0	424.0
1°	423.3	424.0	424.8	423.3	424.0
2°	422.5	423.3	423.3	422.5	424.0
3°	421.0	421.7	421.7	421.0	422.5
4°	418.7	419.5	419.5	418.7	420.2
5°	415.7	416.5	417.2	416.5	418.0
6°	412.7	413.5	414.2	413.5	414.2
7°	408.2	409.7	409.7	409.7	411.2
8°	403.7	405.2	405.9	405.2	406.7
9°	399.2	399.9	400.7	400.7	402.2
10°	393.9	394.6	394.6	395.4	396.9
11°	387.9	387.9	389.4	389.4	391.6
12°	380.3	381.1	382.6	383.3	384.8
13°	373.5	374.3	375.8	376.6	378.8
14°	366.0	367.5	369.0	369.8	372.0
15°	358.5	359.2	361.5	362.2	364.5
17.5°	337.4	338.1	341.9	343.4	345.7
20°	314.8	317.1	320.8	323.1	325.3
22.5°	291.5	293.7	298.2	302.0	303.5
25°	268.9	271.9	276.4	280.9	283.2
27.5°	246.3	249.3	254.6	259.1	262.1
30°	224.4	227.4	233.5	237.2	240.2
32.5°	204.1	207.1	213.9	217.7	219.9
35°	184.5	187.5	194.3	198.1	200.3
37.5°	167.2	170.2	176.2	180.0	181.5
40°	149.1	152.9	158.9	162.7	164.2
42.5°	134.1	137.1	143.1	146.1	148.4
45°	120.5	123.5	128.8	131.0	132.5
47.5°	108.4	110.0	114.5	115.2	116.7
50°	96.4	97.9	100.9	101.7	100.9
52.5°	85.1	86.6	88.9	88.1	88.1
55°	74.6	75.3	78.3	76.8	76.1
57.5°	64.0	65.5	68.5	66.3	65.5
60°	55.0	56.5	58.7	57.2	55.7
62.5°	45.9	46.7	50.5	47.4	45.9
65°	36.1	38.4	41.4	39.2	37.7
67.5°	27.1	30.9	33.9	30.9	29.4
70°	21.1	22.6	24.9	23.3	21.1
72.5°	15.8	16.6	17.3	15.8	14.3
75°	12.0	12.0	11.3	9.8	9.0
77.5°	8.3	8.3	6.8	4.5	4.5
80°	5.3	5.3	3.8	1.5	1.5
82.5°	2.3	2.3	1.5	0.8	0.8
85°	0.8	0.8	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)