

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: P1316183

Luminaire Tested: LDSQA3D02R709740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

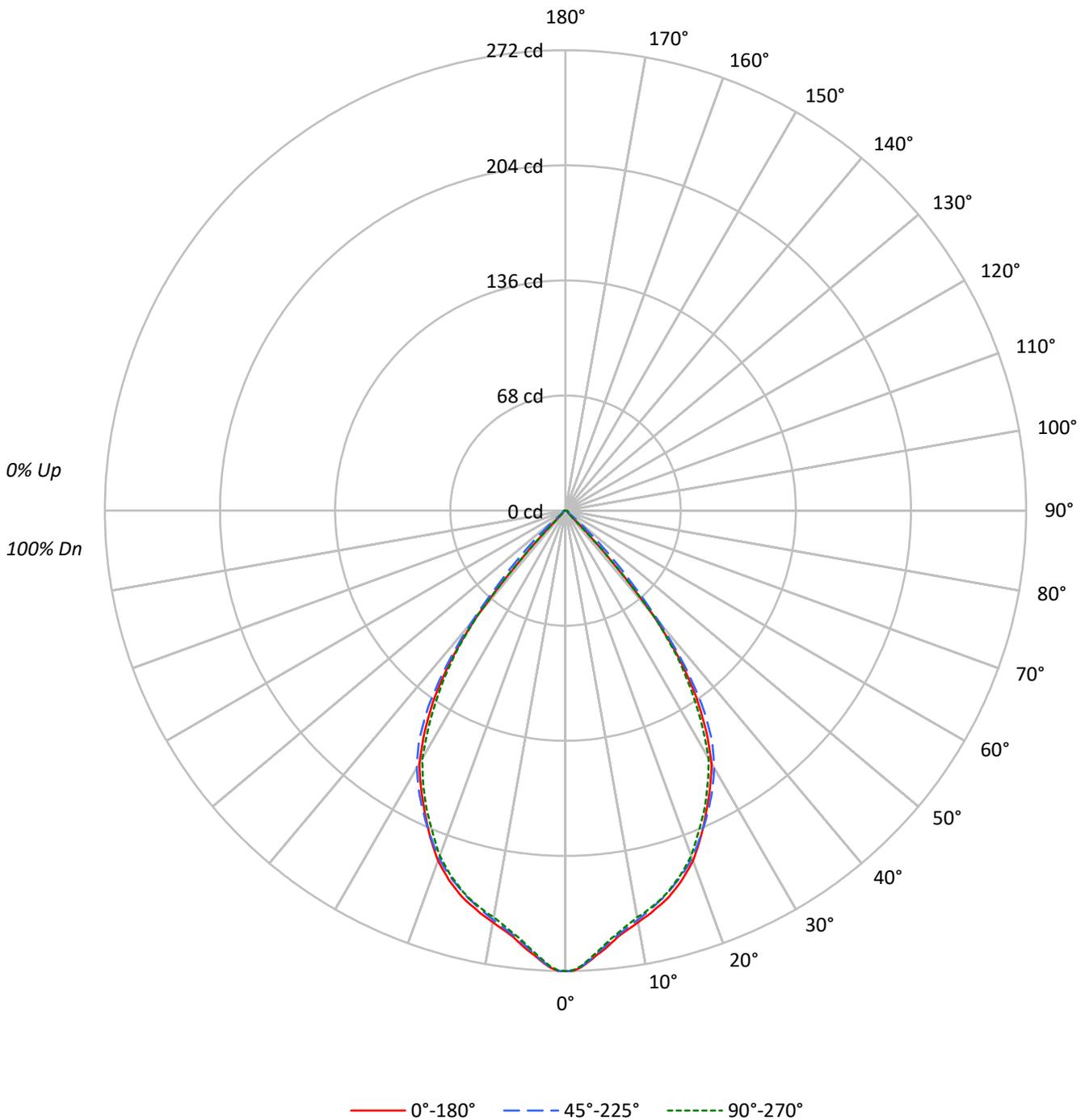
Test Method: LM-79-2019  
Report Number: P1316183  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R709740DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 290.0 lumens  
Efficiency: N/A  
Efficacy: 80.5 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.98 / 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 (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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

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

	0°	45°	90°
0°	46845	46845	46845
5°	45018	44776	44620
10°	43195	42950	42653
15°	42114	41650	41597
20°	40339	40046	39789
25°	37359	37625	36903
30°	34304	34921	33608
35°	28299	29624	27206
40°	18008	19402	18008
45°	1267	8378	1388
50°	563	1715	563
55°	631	631	631
60°	654	654	654
65°	571	652	571
70°	604	705	604
75°	599	599	599
80°	694	694	694
85°	395	988	395

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 8378 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.3	8.4
10°-20°	65.7	22.7
20°-30°	90.3	31.1
30°-40°	82.7	28.5
40°-50°	22.0	7.6
50°-60°	2.0	0.7
60°-70°	1.6	0.5
70°-80°	1.0	0.4
80°-90°	0.4	0.1
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°	180.3	62.2
0°-40°	263.0	90.7
0°-60°	286.9	99.0
0°-90°	290.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	290.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	272	272	272	272	272	
5°	260	259	259	258	258	24
15°	236	234	234	234	233	66
25°	197	197	198	196	194	90
35°	135	137	141	135	129	82
45°	5	18	34	18	6	16
55°	2	2	2	2	2	2
65°	1	2	2	2	1	1
75°	1	1	1	1	1	1
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°	272.0	272.0	272.0	272.0	272.0
1°	272.0	271.5	272.0	272.0	271.5
2°	269.9	269.4	269.6	269.4	269.2
3°	266.8	266.1	266.3	265.9	265.4
4°	263.3	262.6	262.6	262.3	261.8
5°	260.4	259.3	259.0	258.5	258.1
6°	257.1	256.0	255.7	255.0	254.5
7°	253.8	252.9	252.7	251.7	251.7
8°	251.2	250.1	250.1	248.9	248.9
9°	249.1	247.7	247.7	246.8	246.3
10°	247.0	245.6	245.6	244.4	243.9
11°	244.9	243.7	243.2	242.5	242.3
12°	243.0	241.3	240.9	240.6	240.2
13°	240.6	239.0	238.5	238.3	238.0
14°	238.5	236.4	236.2	235.7	235.9
15°	236.2	234.0	233.6	233.6	233.3
17.5°	228.8	227.4	226.7	226.3	225.8
20°	220.1	219.0	218.5	217.5	217.1
22.5°	208.8	208.6	208.3	207.2	205.3
25°	196.6	197.3	198.0	195.6	194.2
27.5°	184.8	186.7	187.4	185.0	181.9
30°	172.5	174.2	175.6	172.3	169.0
32.5°	154.8	158.9	161.0	157.2	149.7
35°	134.6	136.7	140.9	134.6	129.4
37.5°	111.0	112.2	115.5	111.2	107.7
40°	80.1	83.7	86.3	83.7	80.1
42.5°	36.1	50.4	57.0	53.3	37.7
45°	5.2	17.7	34.4	17.9	5.7
47.5°	2.1	2.8	17.9	2.6	2.1
50°	2.1	2.1	6.4	2.1	2.1
52.5°	2.1	2.1	2.4	2.1	2.1
55°	2.1	2.1	2.1	2.1	2.1
57.5°	1.9	1.9	2.1	1.9	1.9
60°	1.9	1.9	1.9	1.9	1.9
62.5°	1.6	1.9	1.9	1.9	1.6
65°	1.4	1.6	1.6	1.6	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.2	1.4	1.4	1.4	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.7	0.9	0.9	0.9	0.7
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.2	0.5	0.5	0.5	0.2
87.5°	0.2	0.2	0.2	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)