

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: P1313438

Luminaire Tested: LDSQA3D05R709727DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

**Test Information**

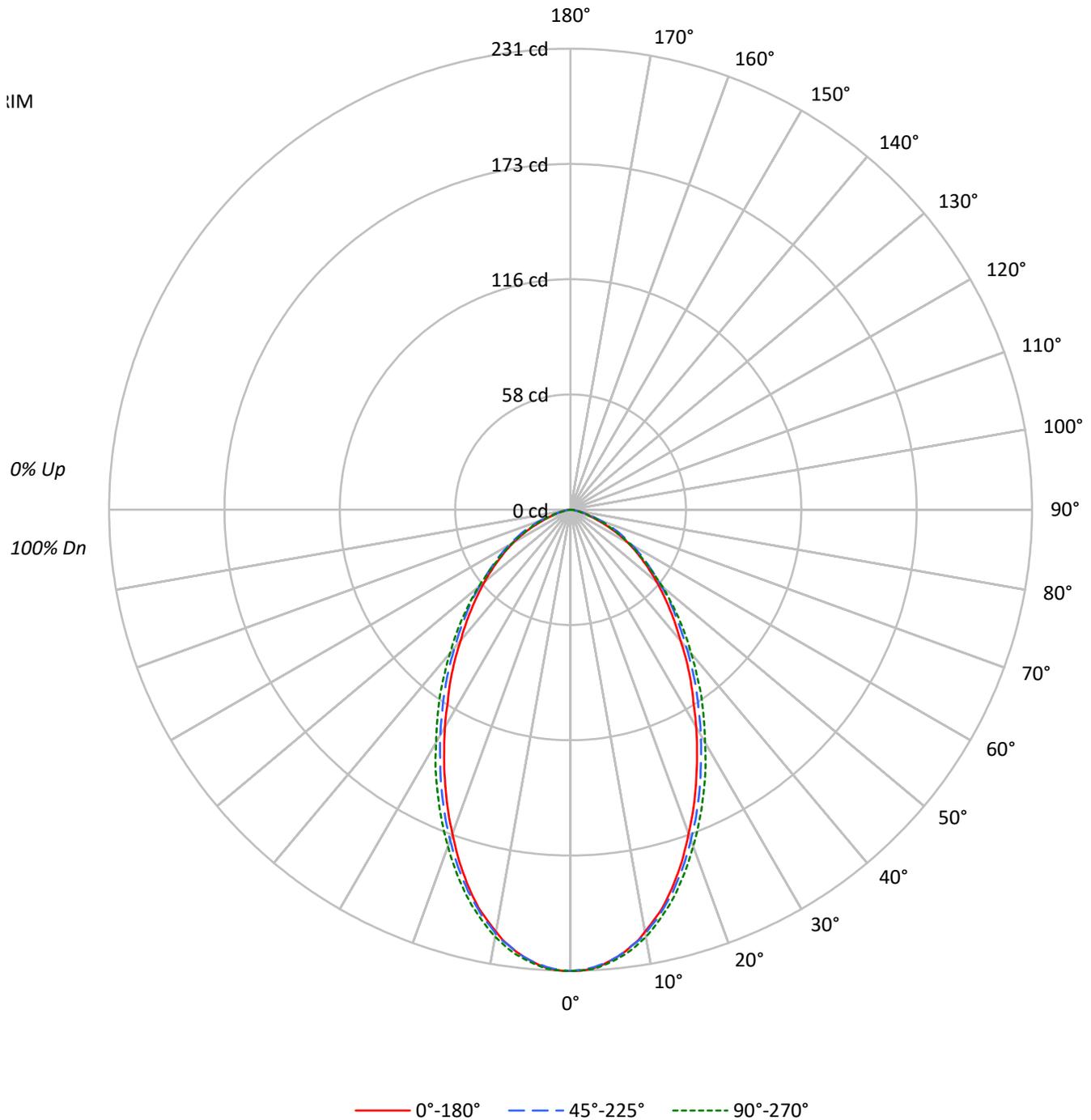
Test Method: LM-79-2019  
Report Number: P1313438  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R709727DE010 3LSQCLDWWR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , 3LSQCLDWWR1MW TR  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 347.0 lumens  
Efficiency: N/A  
Efficacy: 48.2 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78	78	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68	68	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61	61	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54	54	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49	49	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44	44	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40	40	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37	37	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34	34	34

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

	0°	45°	90°
0°	39801	39801	39801
5°	39227	39227	39365
10°	37547	37704	38001
15°	35000	35303	35749
20°	31670	32293	32898
25°	28295	29093	29891
30°	25017	25932	26767
35°	22055	23022	23989
40°	19245	20279	21111
45°	17049	17975	18584
50°	15058	15835	16076
55°	13211	13992	13602
60°	11401	12297	11711
65°	9047	10595	9577
70°	6546	8258	7201
75°	4991	5323	4458
80°	3372	3372	2479
85°	1581	1581	1581

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 18584 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.3	6.1
10°-20°	55.3	15.9
20°-30°	70.3	20.3
30°-40°	68.4	19.7
40°-50°	56.8	16.4
50°-60°	41.0	11.8
60°-70°	24.1	7.0
70°-80°	8.5	2.5
80°-90°	1.2	0.4
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°	146.9	42.3
0°-40°	215.3	62.0
0°-60°	313.1	90.2
0°-90°	347.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	347.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	231	231	231	231	231	
5°	227	226	227	227	228	21
15°	196	196	198	199	200	55
25°	149	151	153	156	157	68
35°	105	106	110	112	114	66
45°	70	71	74	76	76	54
55°	44	45	47	46	45	40
65°	22	24	26	25	24	22
75°	8	8	8	7	7	8
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	231.1	231.1	231.1	231.1	231.1
1°	231.1	230.7	230.7	230.7	231.1
2°	230.7	230.3	230.3	230.3	230.7
3°	229.8	229.4	229.4	229.4	230.3
4°	228.6	227.7	228.2	228.2	229.0
5°	226.9	226.5	226.9	226.9	227.7
6°	225.2	224.8	225.2	225.2	226.1
7°	223.1	222.7	223.1	223.5	224.4
8°	220.6	220.2	220.6	221.0	222.3
9°	218.1	217.7	218.5	218.9	219.8
10°	214.7	214.7	215.6	216.0	217.3
11°	211.4	211.4	212.2	213.1	214.3
12°	208.0	208.0	209.3	210.1	211.0
13°	204.7	204.3	205.5	206.4	207.6
14°	200.5	200.1	201.7	203.0	204.3
15°	196.3	196.3	198.0	199.2	200.5
17.5°	185.0	185.4	187.5	189.2	190.4
20°	172.8	174.1	176.2	178.3	179.5
22.5°	161.1	161.9	164.8	167.3	168.6
25°	148.9	150.6	153.1	156.0	157.3
27.5°	137.1	138.8	141.3	144.3	146.4
30°	125.8	127.1	130.4	133.4	134.6
32.5°	114.5	116.2	119.5	122.5	124.1
35°	104.9	106.1	109.5	112.4	114.1
37.5°	95.2	96.5	99.8	102.3	103.6
40°	85.6	87.7	90.2	92.7	93.9
42.5°	77.6	79.3	81.8	83.9	85.1
45°	70.0	71.3	73.8	75.5	76.3
47.5°	62.9	64.2	66.7	67.5	67.9
50°	56.2	57.5	59.1	59.6	60.0
52.5°	49.9	50.7	52.4	52.4	52.0
55°	44.0	45.3	46.6	46.1	45.3
57.5°	38.6	39.0	41.1	40.3	39.4
60°	33.1	34.0	35.7	34.8	34.0
62.5°	27.7	28.5	30.6	29.8	28.5
65°	22.2	23.9	26.0	24.7	23.5
67.5°	16.8	18.9	21.0	19.7	18.9
70°	13.0	14.7	16.4	15.1	14.3
72.5°	10.1	10.9	11.7	10.9	10.1
75°	7.5	8.0	8.0	7.1	6.7
77.5°	5.5	5.9	5.0	4.2	4.2
80°	3.4	3.8	3.4	2.5	2.5
82.5°	1.7	2.1	1.7	1.7	1.7
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.4	0.4	0.4	0.4	0.4



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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)