

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: P1308046

Luminaire Tested: LDSQA3D09R709027DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308046  
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: LDSQA3D09R709027DE010 3LSQCLDWWR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCLDWWR1MW TR  
Light Source: -  
Ballast/Driver: -

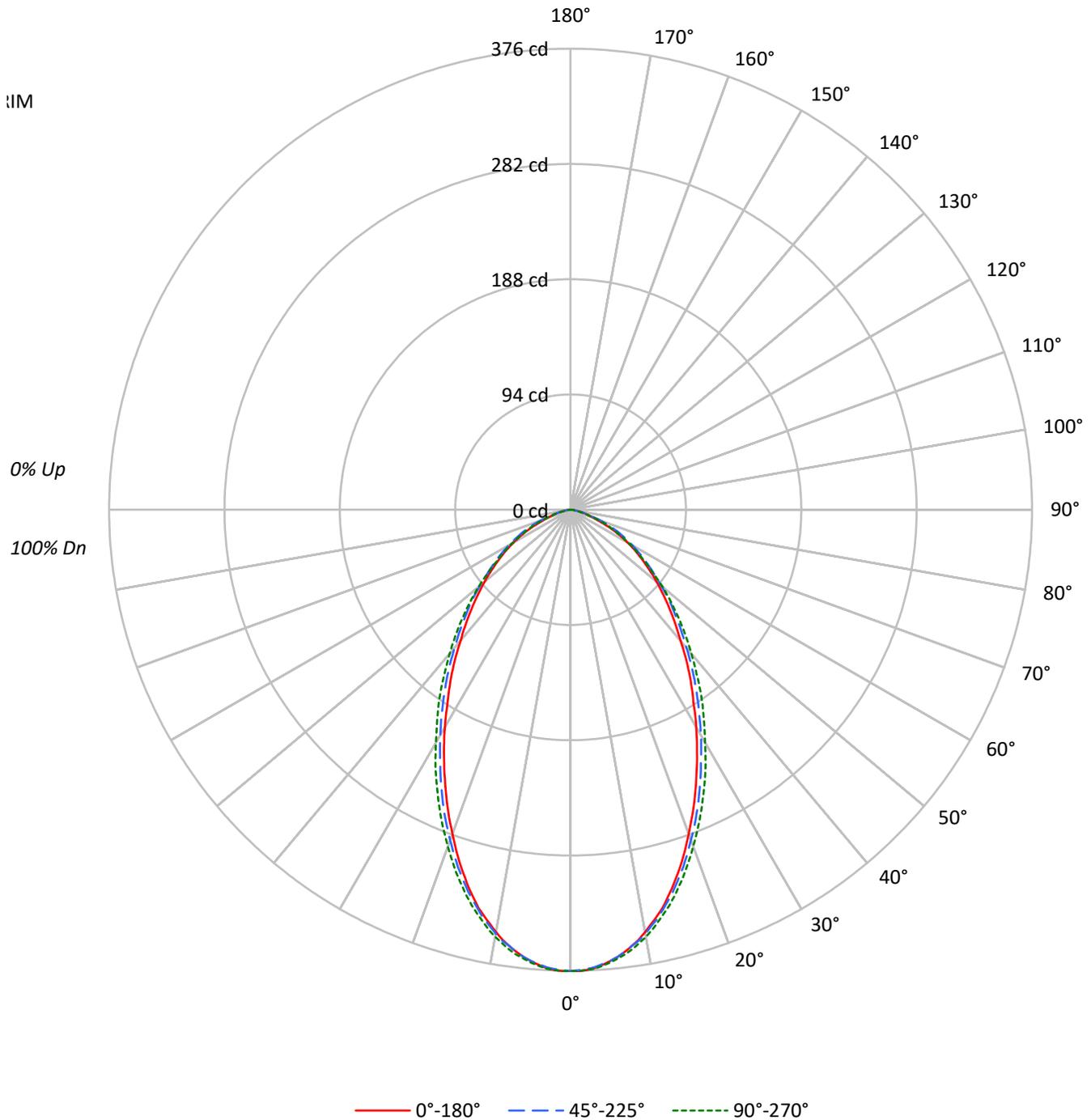
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 565.0 lumens  
Efficiency: N/A  
Efficacy: 50.9 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): 11.1  
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	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	80	80	80	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	70	70	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	56	56	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	51	51	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	46	46	46	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	42	42	42	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	39	39	39	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	36	36	36	34

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

	0°	45°	90°
0°	64807	64807	64807
5°	63879	63879	64104
10°	61155	61383	61855
15°	56984	57465	58196
20°	51574	52563	53571
25°	46062	47374	48666
30°	40748	42239	43591
35°	35889	37466	39064
40°	31318	33004	34398
45°	27766	29276	30274
50°	24516	25802	26177
55°	21529	22760	22159
60°	18566	19978	19048
65°	14752	17238	15567
70°	10675	13394	11682
75°	8185	8650	7253
80°	5455	5455	4066
85°	2766	2766	2766

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 30274 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.7	6.1
10°-20°	90.1	15.9
20°-30°	114.4	20.3
30°-40°	111.3	19.7
40°-50°	92.5	16.4
50°-60°	66.8	11.8
60°-70°	39.3	6.9
70°-80°	13.9	2.5
80°-90°	2.0	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°	239.2	42.3
0°-40°	350.5	62.0
0°-60°	509.8	90.2
0°-90°	565.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	565.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	376	376	376	376	376	
5°	370	369	370	370	371	35
15°	320	320	322	324	326	89
25°	242	245	249	254	256	111
35°	171	173	178	183	186	107
45°	114	116	120	123	124	88
55°	72	74	76	75	74	64
65°	36	39	42	40	38	36
75°	12	13	13	12	11	13
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	376.3	376.3	376.3	376.3	376.3
1°	376.3	375.6	375.6	375.6	376.3
2°	375.6	374.9	374.9	374.9	375.6
3°	374.2	373.6	373.6	373.6	374.9
4°	372.2	370.8	371.5	371.5	372.9
5°	369.5	368.8	369.5	369.5	370.8
6°	366.7	366.0	366.7	366.7	368.1
7°	363.3	362.6	363.3	364.0	365.4
8°	359.2	358.5	359.2	359.9	361.9
9°	355.1	354.4	355.8	356.5	357.8
10°	349.7	349.7	351.0	351.7	353.7
11°	344.2	344.2	345.6	346.9	349.0
12°	338.7	338.7	340.8	342.1	343.5
13°	333.3	332.6	334.6	336.0	338.0
14°	326.4	325.7	328.5	330.5	332.6
15°	319.6	319.6	322.3	324.4	326.4
17.5°	301.2	301.8	305.3	308.0	310.0
20°	281.4	283.4	286.8	290.2	292.3
22.5°	262.2	263.6	268.4	272.5	274.5
25°	242.4	245.2	249.3	254.0	256.1
27.5°	223.3	226.0	230.1	234.9	238.3
30°	204.9	206.9	212.4	217.2	219.2
32.5°	186.4	189.2	194.6	199.4	202.1
35°	170.7	172.8	178.2	183.0	185.8
37.5°	155.0	157.1	162.5	166.6	168.7
40°	139.3	142.7	146.8	150.9	153.0
42.5°	126.3	129.1	133.2	136.6	138.6
45°	114.0	116.1	120.2	122.9	124.3
47.5°	102.4	104.5	108.6	109.9	110.6
50°	91.5	93.6	96.3	97.0	97.7
52.5°	81.3	82.6	85.4	85.4	84.7
55°	71.7	73.8	75.8	75.1	73.8
57.5°	62.8	63.5	66.9	65.6	64.2
60°	53.9	55.3	58.0	56.7	55.3
62.5°	45.1	46.4	49.9	48.5	46.4
65°	36.2	38.9	42.3	40.3	38.2
67.5°	27.3	30.7	34.1	32.1	30.7
70°	21.2	23.9	26.6	24.6	23.2
72.5°	16.4	17.8	19.1	17.8	16.4
75°	12.3	13.0	13.0	11.6	10.9
77.5°	8.9	9.6	8.2	6.8	6.8
80°	5.5	6.1	5.5	4.1	4.1
82.5°	2.7	3.4	2.7	2.7	2.7
85°	1.4	1.4	1.4	1.4	1.4
87.5°	0.7	0.7	0.7	0.7	0.7



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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)