

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: P1312365

Luminaire Tested: LDSQA3D09R209050DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312365  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R209050DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

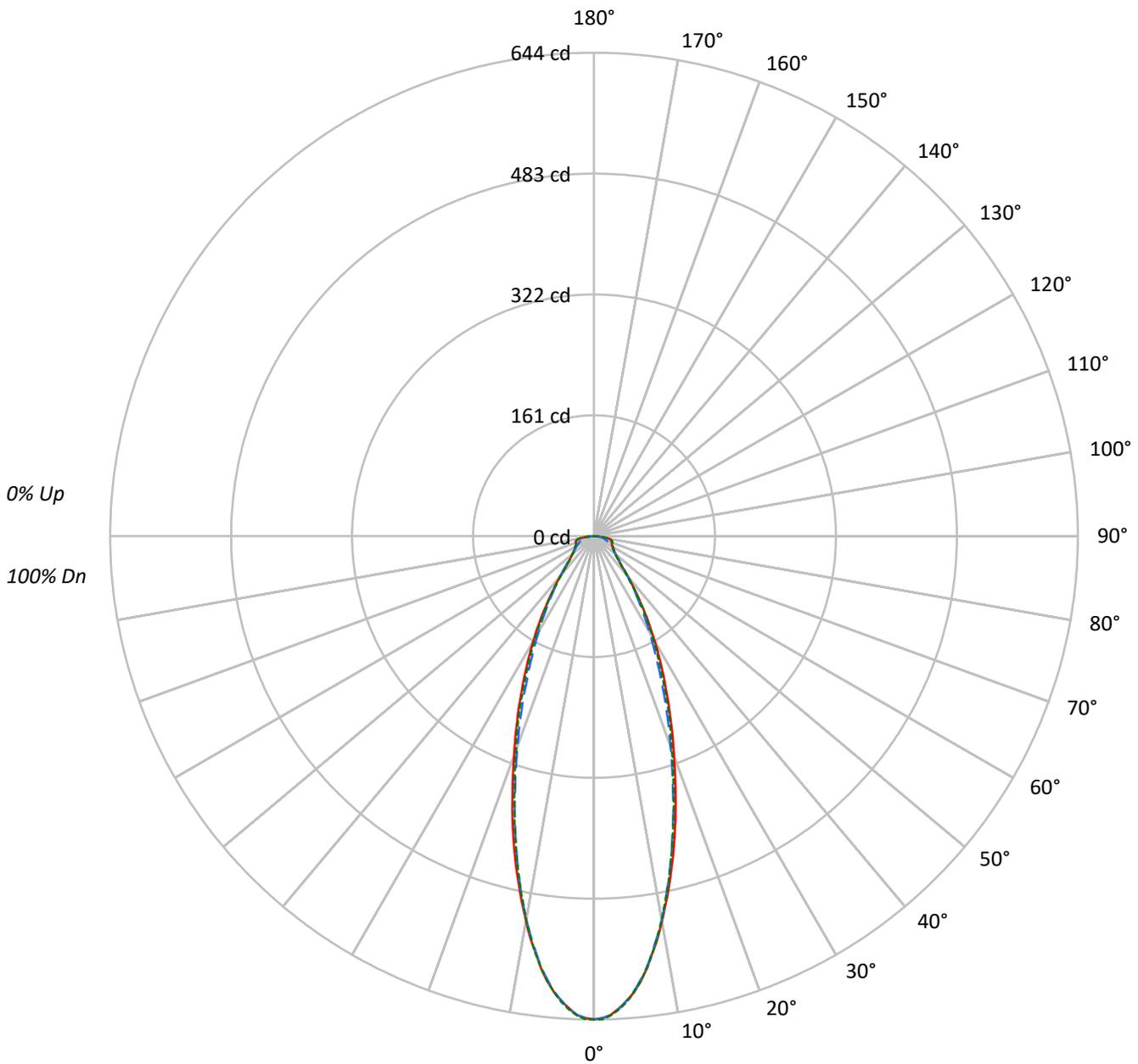
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 454.1 lumens  
Efficiency: N/A  
Efficacy: 40.9 lumens/watt  
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65  
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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	83	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	76	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

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

	0°	45°	90°
0°	110877	110877	110877
5°	105492	105215	105492
10°	91077	90797	90658
15°	73905	72211	72478
20°	56944	54451	55477
25°	43250	40077	42034
30°	32077	29233	31122
35°	22664	21151	22328
40°	15625	15625	15265
45°	11472	12056	11472
50°	10047	10047	10047
55°	9578	9368	9578
60°	9920	9093	9920
65°	10758	9128	10758
70°	12891	9265	12891
75°	16502	10114	16502
80°	20629	10315	19836
85°	15808	9485	17389

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 20629 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.2	12.2
10°-20°	112.8	24.8
20°-30°	100.7	22.2
30°-40°	66.1	14.6
40°-50°	38.4	8.5
50°-60°	28.5	6.3
60°-70°	24.1	5.3
70°-80°	19.9	4.4
80°-90°	8.3	1.8
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°	268.7	59.2
0°-40°	334.8	73.7
0°-60°	401.7	88.5
0°-90°	454.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	454.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	644	644	644	644	644	
5°	610	609	609	609	610	55
15°	414	410	405	406	406	115
25°	228	221	211	216	221	105
35°	108	105	101	104	106	69
45°	47	48	50	48	47	38
55°	32	31	31	31	32	29
65°	26	24	22	24	26	26
75°	25	18	15	18	25	25
85°	8	9	5	9	9	9
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	643.8	643.8	643.8	643.8	643.8
1°	642.2	643.0	642.2	643.0	643.8
2°	638.2	639.0	638.2	638.2	639.0
3°	630.2	631.0	631.0	631.0	631.8
4°	620.6	621.4	620.6	621.4	622.2
5°	610.2	609.4	608.6	609.4	610.2
6°	595.8	595.0	594.2	595.0	595.8
7°	579.9	579.1	578.3	578.3	579.1
8°	559.9	560.7	558.3	559.9	560.7
9°	542.3	540.7	539.1	539.1	540.7
10°	520.8	519.2	519.2	518.4	518.4
12.5°	468.1	464.9	462.5	462.5	463.3
15°	414.5	410.5	405.0	405.8	406.5
17.5°	361.0	356.2	349.0	350.6	352.2
20°	310.7	305.9	297.1	300.3	302.7
22.5°	267.6	260.4	252.4	254.8	262.8
25°	227.6	221.2	210.9	216.5	221.2
27.5°	192.5	185.3	176.5	182.1	186.9
30°	161.3	155.0	147.0	151.8	156.5
32.5°	133.4	127.8	122.2	125.4	129.4
35°	107.8	104.6	100.6	103.8	106.2
37.5°	87.1	85.5	83.9	85.5	84.7
40°	69.5	70.3	69.5	69.5	67.9
42.5°	55.1	57.5	58.3	56.7	55.1
45°	47.1	47.9	49.5	47.9	47.1
47.5°	41.5	41.5	42.3	41.5	40.7
50°	37.5	37.5	37.5	37.5	37.5
52.5°	34.3	34.3	33.5	34.3	34.3
55°	31.9	31.2	31.2	31.2	31.9
57.5°	30.4	29.6	28.8	29.6	30.4
60°	28.8	27.2	26.4	27.2	28.8
62.5°	27.2	25.6	24.8	25.6	27.2
65°	26.4	24.0	22.4	24.0	26.4
67.5°	25.6	22.4	20.8	22.4	26.4
70°	25.6	20.8	18.4	21.6	25.6
72.5°	24.8	20.0	16.8	20.0	24.8
75°	24.8	18.4	15.2	18.4	24.8
77.5°	23.2	16.8	12.8	16.8	23.2
80°	20.8	15.2	10.4	15.2	20.0
82.5°	15.2	12.8	8.0	12.8	15.2
85°	8.0	8.8	4.8	8.8	8.8
87.5°	0.8	3.2	1.6	4.8	4.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)