

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: P1312219

Luminaire Tested: LDSQA3D05R209050DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

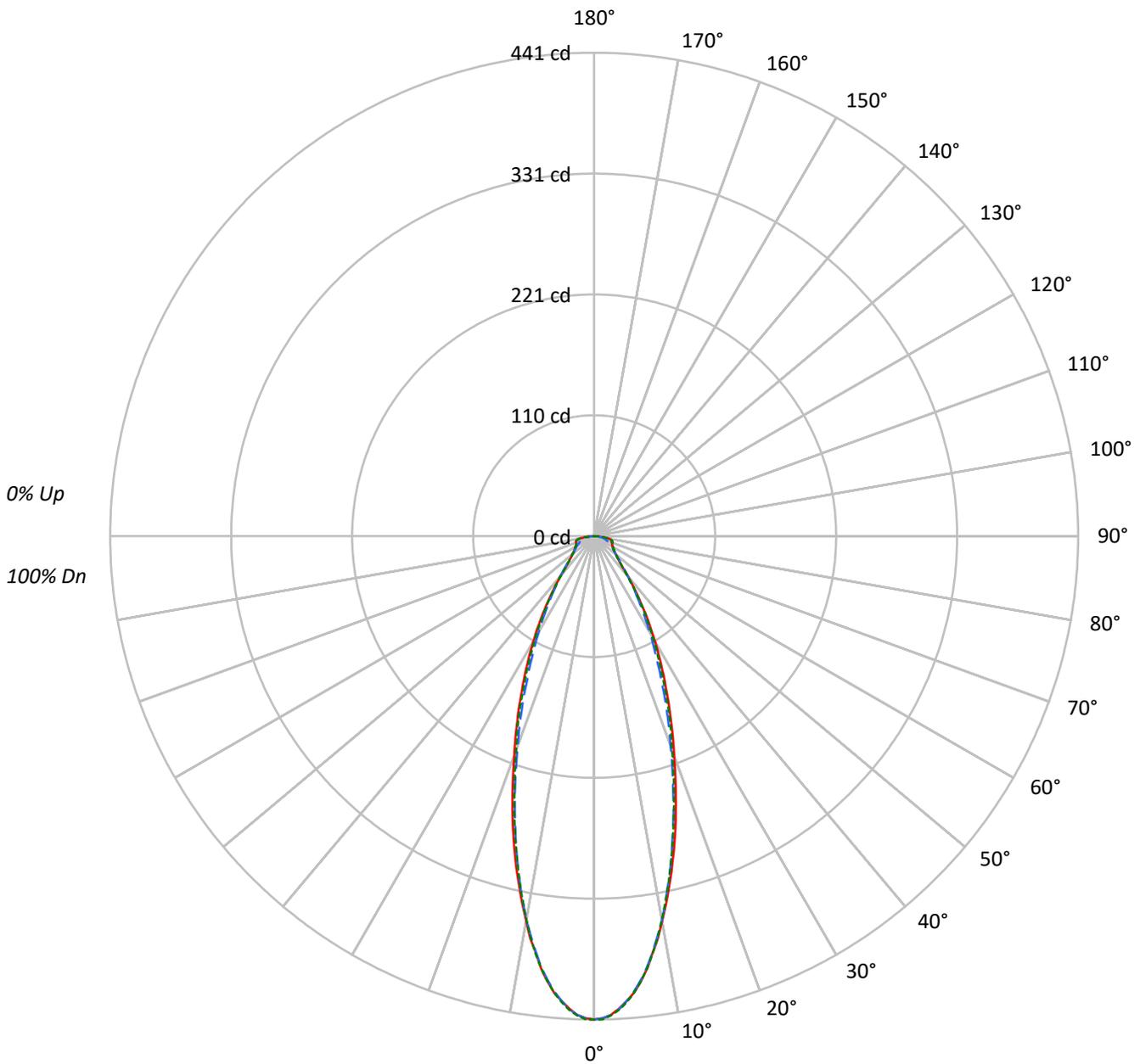
Test Method: LM-79-2019  
Report Number: P1312219  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R209050DE010 3LSQPHRLP1MW  
Description: 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: 311.0 lumens  
Efficiency: N/A  
Efficacy: 43.2 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): 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

TEST NUMBER: P1312219  
CATALOG NUMBER: LDSQA3D05R209050DE010 3LSQPHRLP1MW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1312219

CATALOG NUMBER: LDSQA3D05R209050DE010 3LSQPHRLP1MW

**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	84	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	77	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°	75950	75950	75950
5°	72264	72074	72264
10°	62380	62187	62100
15°	50637	49460	49656
20°	39001	37297	38011
25°	29625	27440	28808
30°	21975	20026	21318
35°	15537	14486	15306
40°	10701	10701	10454
45°	7867	8257	7867
50°	6886	6886	6886
55°	6576	6396	6576
60°	6786	6234	6786
65°	7376	6235	7376
70°	8812	6345	8812
75°	11312	6920	11312
80°	14083	7042	13588
85°	10868	6521	11856

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 14083 cd/sqm



TEST NUMBER: P1312219

CATALOG NUMBER: LDSQA3D05R209050DE010 3LSQPHRLP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.8	12.2
10°-20°	77.2	24.8
20°-30°	69.0	22.2
30°-40°	45.3	14.6
40°-50°	26.3	8.5
50°-60°	19.5	6.3
60°-70°	16.5	5.3
70°-80°	13.6	4.4
80°-90°	5.7	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°	184.1	59.2
0°-40°	229.3	73.7
0°-60°	275.1	88.5
0°-90°	311.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	311.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	441	441	441	441	441	
5°	418	418	417	418	418	38
15°	284	281	277	278	278	78
25°	156	152	144	148	152	72
35°	74	72	69	71	73	47
45°	32	33	34	33	32	26
55°	22	21	21	21	22	20
65°	18	16	15	16	18	18
75°	17	13	10	13	17	17
85°	6	6	3	6	6	6
90°	0	0	0	0	0	



TEST NUMBER: P1312219

CATALOG NUMBER: LDSQA3D05R209050DE010 3LSQPHRLP1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	441.0	441.0	441.0	441.0	441.0
1°	439.9	440.4	439.9	440.4	441.0
2°	437.2	437.7	437.2	437.2	437.7
3°	431.7	432.2	432.2	432.2	432.8
4°	425.1	425.7	425.1	425.7	426.2
5°	418.0	417.5	416.9	417.5	418.0
6°	408.2	407.6	407.1	407.6	408.2
7°	397.2	396.7	396.1	396.1	396.7
8°	383.5	384.1	382.5	383.5	384.1
9°	371.5	370.4	369.3	369.3	370.4
10°	356.7	355.6	355.6	355.1	355.1
12.5°	320.6	318.4	316.8	316.8	317.3
15°	284.0	281.2	277.4	277.9	278.5
17.5°	247.3	244.0	239.1	240.2	241.3
20°	212.8	209.6	203.5	205.7	207.4
22.5°	183.3	178.4	172.9	174.5	180.0
25°	155.9	151.6	144.4	148.3	151.6
27.5°	131.9	126.9	120.9	124.7	128.0
30°	110.5	106.1	100.7	104.0	107.2
32.5°	91.4	87.5	83.7	85.9	88.6
35°	73.9	71.7	68.9	71.1	72.8
37.5°	59.6	58.5	57.4	58.5	58.0
40°	47.6	48.1	47.6	47.6	46.5
42.5°	37.8	39.4	39.9	38.8	37.8
45°	32.3	32.8	33.9	32.8	32.3
47.5°	28.5	28.5	29.0	28.5	27.9
50°	25.7	25.7	25.7	25.7	25.7
52.5°	23.5	23.5	23.0	23.5	23.5
55°	21.9	21.3	21.3	21.3	21.9
57.5°	20.8	20.2	19.7	20.2	20.8
60°	19.7	18.6	18.1	18.6	19.7
62.5°	18.6	17.5	17.0	17.5	18.6
65°	18.1	16.4	15.3	16.4	18.1
67.5°	17.5	15.3	14.2	15.3	18.1
70°	17.5	14.2	12.6	14.8	17.5
72.5°	17.0	13.7	11.5	13.7	17.0
75°	17.0	12.6	10.4	12.6	17.0
77.5°	15.9	11.5	8.8	11.5	15.9
80°	14.2	10.4	7.1	10.4	13.7
82.5°	10.4	8.8	5.5	8.8	10.4
85°	5.5	6.0	3.3	6.0	6.0
87.5°	0.5	2.2	1.1	3.3	2.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)