

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: P1307811

Luminaire Tested: LDSQA3D05R309027DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

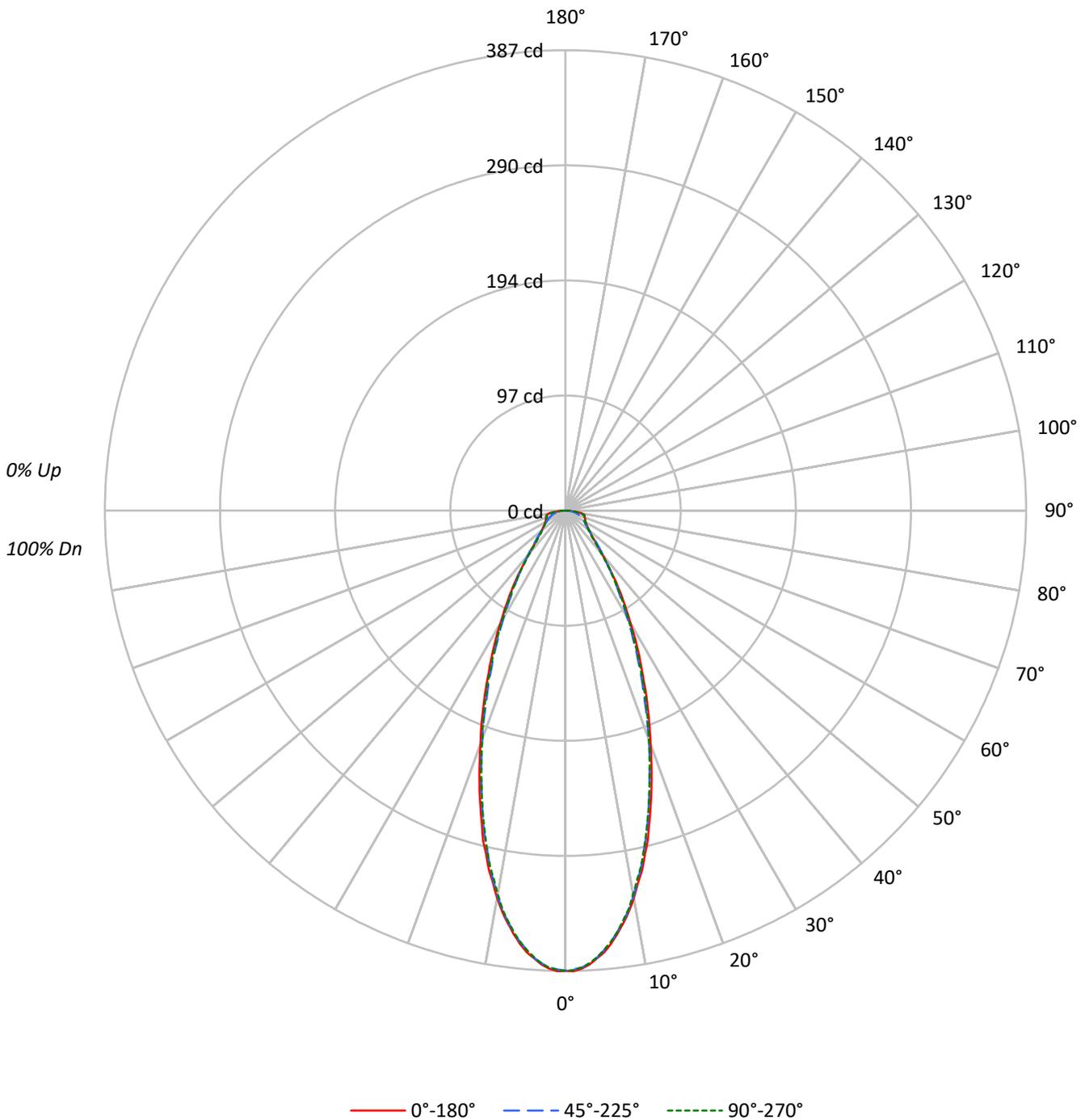
Test Method: LM-79-2019  
Report Number: P1307811  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R309027DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 305.0 lumens  
Efficiency: N/A  
Efficacy: 42.4 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7  
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 (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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89		
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56		
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	52		
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49		
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46		
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43		

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

	0°	45°	90°
0°	66616	66616	66616
5°	64450	64121	64121
10°	57833	57500	57256
15°	48479	47730	47641
20°	38268	37498	37498
25°	29283	28143	28675
30°	21736	20622	21080
35°	15705	15033	15117
40°	10814	11016	10499
45°	8086	8427	7745
50°	7020	6886	6886
55°	6606	6305	6456
60°	6751	6269	6613
65°	7417	6276	7254
70°	8711	6345	8460
75°	11179	6854	10846
80°	13885	7438	12992
85°	11066	7311	10078

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 13885 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.1	11.2
10°-20°	74.2	24.3
20°-30°	69.1	22.7
30°-40°	45.8	15.0
40°-50°	26.7	8.8
50°-60°	19.4	6.4
60°-70°	16.4	5.4
70°-80°	13.6	4.5
80°-90°	5.6	1.9
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°	177.4	58.2
0°-40°	223.2	73.2
0°-60°	269.3	88.3
0°-90°	305.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	305.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	387	387	387	387	387	
5°	373	372	371	371	371	34
15°	272	269	268	267	267	75
25°	154	151	148	148	151	71
35°	75	73	72	72	72	47
45°	33	34	35	33	32	27
55°	22	22	21	22	22	20
65°	18	16	15	16	18	18
75°	17	13	10	13	16	17
85°	6	6	4	6	5	6
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	386.8	386.8	386.8	386.8	386.8
1°	387.2	386.8	385.8	386.3	386.3
2°	385.4	384.9	384.4	384.4	384.4
3°	382.1	381.6	381.2	381.2	381.2
4°	377.4	377.0	377.0	376.5	376.5
5°	372.8	372.3	370.9	370.9	370.9
6°	366.2	365.8	364.8	364.4	364.4
7°	358.3	358.3	356.9	356.4	356.9
8°	349.9	349.4	348.5	348.0	348.0
9°	341.0	339.6	339.6	338.2	339.1
10°	330.7	329.8	328.8	327.9	327.4
11°	319.0	318.6	317.2	316.2	315.8
12°	309.2	306.9	306.0	304.6	305.5
13°	296.6	295.2	292.9	292.4	292.9
14°	285.9	283.1	281.2	280.3	279.8
15°	271.9	269.1	267.7	267.2	267.2
17.5°	240.6	238.7	235.0	235.0	235.0
20°	208.8	206.9	204.6	204.1	204.6
22.5°	181.2	178.0	174.2	174.7	177.5
25°	154.1	151.3	148.1	148.5	150.9
27.5°	131.3	127.5	124.3	125.2	126.6
30°	109.3	107.0	103.7	104.6	106.0
32.5°	90.6	89.2	85.5	86.4	87.8
35°	74.7	73.3	71.5	71.9	71.9
37.5°	59.8	59.8	59.3	58.9	58.4
40°	48.1	49.0	49.0	47.6	46.7
42.5°	39.2	40.2	41.1	39.2	37.8
45°	33.2	33.6	34.6	32.7	31.8
47.5°	29.0	29.0	29.9	28.5	28.0
50°	26.2	26.2	25.7	25.2	25.7
52.5°	23.8	23.4	22.9	23.4	23.4
55°	22.0	21.5	21.0	21.5	21.5
57.5°	20.6	20.1	19.6	19.6	20.1
60°	19.6	18.7	18.2	18.7	19.2
62.5°	18.7	17.3	16.8	17.3	18.2
65°	18.2	16.3	15.4	16.3	17.8
67.5°	17.8	15.4	14.0	15.4	17.3
70°	17.3	14.5	12.6	14.5	16.8
72.5°	16.8	13.5	11.7	13.5	16.8
75°	16.8	12.6	10.3	12.6	16.3
77.5°	15.9	11.7	8.9	11.7	15.4
80°	14.0	10.7	7.5	10.3	13.1
82.5°	10.3	9.3	5.6	8.9	9.8
85°	5.6	6.5	3.7	6.1	5.1
87.5°	0.9	1.4	0.9	2.8	1.9



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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)