

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: P1312158

Luminaire Tested: LDSQA3D02R609050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312158  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R609050DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

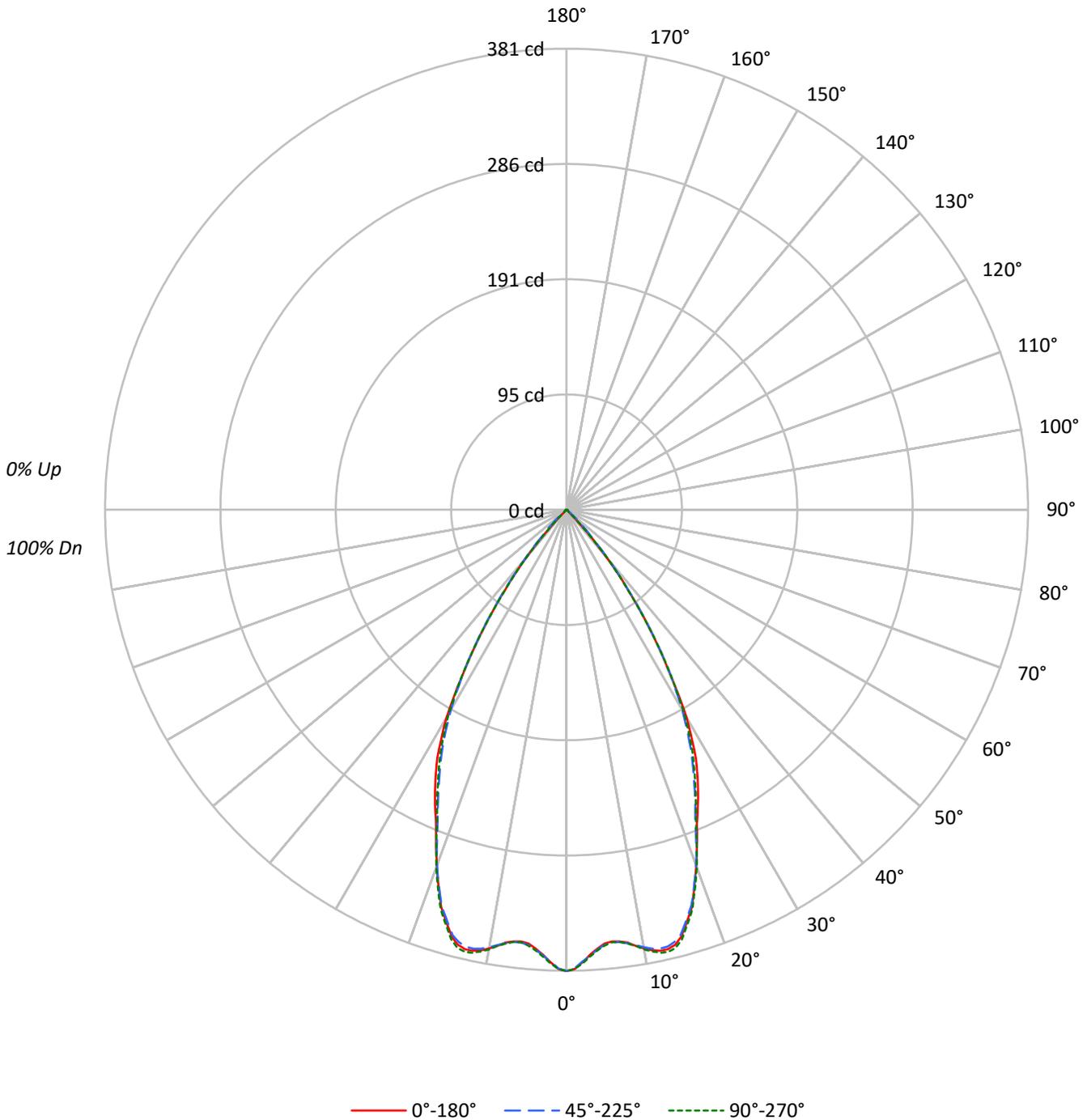
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 340.0 lumens  
Efficiency: N/A  
Efficacy: 94.4 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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

TEST NUMBER: P1312158  
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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	100	100	100	100
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94	94	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82	82	82	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76	76	76	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71	71	71	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67	67	67	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55	55	55	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52	52	52	52

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

	0°	45°	90°
0°	65651	65651	65651
5°	62220	62410	62496
10°	64391	64198	64531
15°	65168	64883	65542
20°	57384	57329	57622
25°	48837	47412	47811
30°	39415	38043	38679
35°	24935	25166	24893
40°	11668	12140	11848
45°	706	4287	852
50°	348	991	348
55°	390	390	390
60°	379	379	379
65°	326	448	326
70°	403	403	403
75°	333	333	333
80°	298	298	298
85°	593	593	593

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 4287 cd/sqm



TEST NUMBER: P1312158

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.7	10.2
10°-20°	100.1	29.4
20°-30°	115.3	33.9
30°-40°	74.1	21.8
40°-50°	12.9	3.8
50°-60°	1.2	0.4
60°-70°	1.0	0.3
70°-80°	0.5	0.2
80°-90°	0.2	0.1
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°	250.1	73.6
0°-40°	324.2	95.4
0°-60°	338.3	99.5
0°-90°	340.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	340.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	381	381	381	381	381	
5°	360	361	361	362	362	35
15°	366	364	364	366	368	100
25°	257	254	250	250	252	117
35°	119	118	120	117	118	74
45°	3	9	18	10	4	10
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	381.2	381.2	381.2	381.2	381.2
1°	379.6	379.3	379.1	379.3	379.6
2°	374.3	374.0	373.7	374.8	375.3
3°	368.4	368.7	369.0	369.5	369.8
4°	363.6	364.2	364.4	365.0	365.2
5°	359.9	360.7	361.0	361.8	361.5
6°	358.8	359.4	359.6	359.9	359.4
7°	359.4	359.6	359.9	360.4	359.9
8°	361.2	361.5	361.8	362.0	362.0
9°	365.0	364.4	364.2	365.2	365.0
10°	368.2	367.4	367.1	368.7	369.0
11°	370.8	369.8	369.5	371.3	371.9
12°	372.7	371.1	370.8	373.2	374.3
13°	372.7	370.5	370.5	373.2	374.8
14°	370.5	368.2	368.2	371.1	372.9
15°	365.5	364.2	363.9	366.3	367.6
17.5°	344.2	342.6	342.9	345.5	345.8
20°	313.1	312.3	312.8	313.4	314.4
22.5°	281.4	280.9	278.0	278.8	279.3
25°	257.0	254.0	249.5	249.8	251.6
27.5°	231.2	228.2	221.9	223.2	225.0
30°	198.2	195.8	191.3	192.1	194.5
32.5°	155.6	160.4	156.1	157.5	156.7
35°	118.6	117.8	119.7	117.3	118.4
37.5°	83.5	83.8	84.6	82.5	82.5
40°	51.9	53.2	54.0	52.9	52.7
42.5°	21.8	29.8	31.4	29.8	22.1
45°	2.9	8.8	17.6	10.4	3.5
47.5°	1.3	1.9	9.3	1.9	1.3
50°	1.3	1.3	3.7	1.3	1.3
52.5°	1.3	1.3	1.3	1.3	1.3
55°	1.3	1.3	1.3	1.3	1.3
57.5°	1.3	1.3	1.3	1.3	1.3
60°	1.1	1.1	1.1	1.1	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	0.8	1.1	1.1	1.1	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0



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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)