

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: P1315198

Luminaire Tested: LDSQA3D02R609735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315198  
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: LDSQA3D02R609735DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

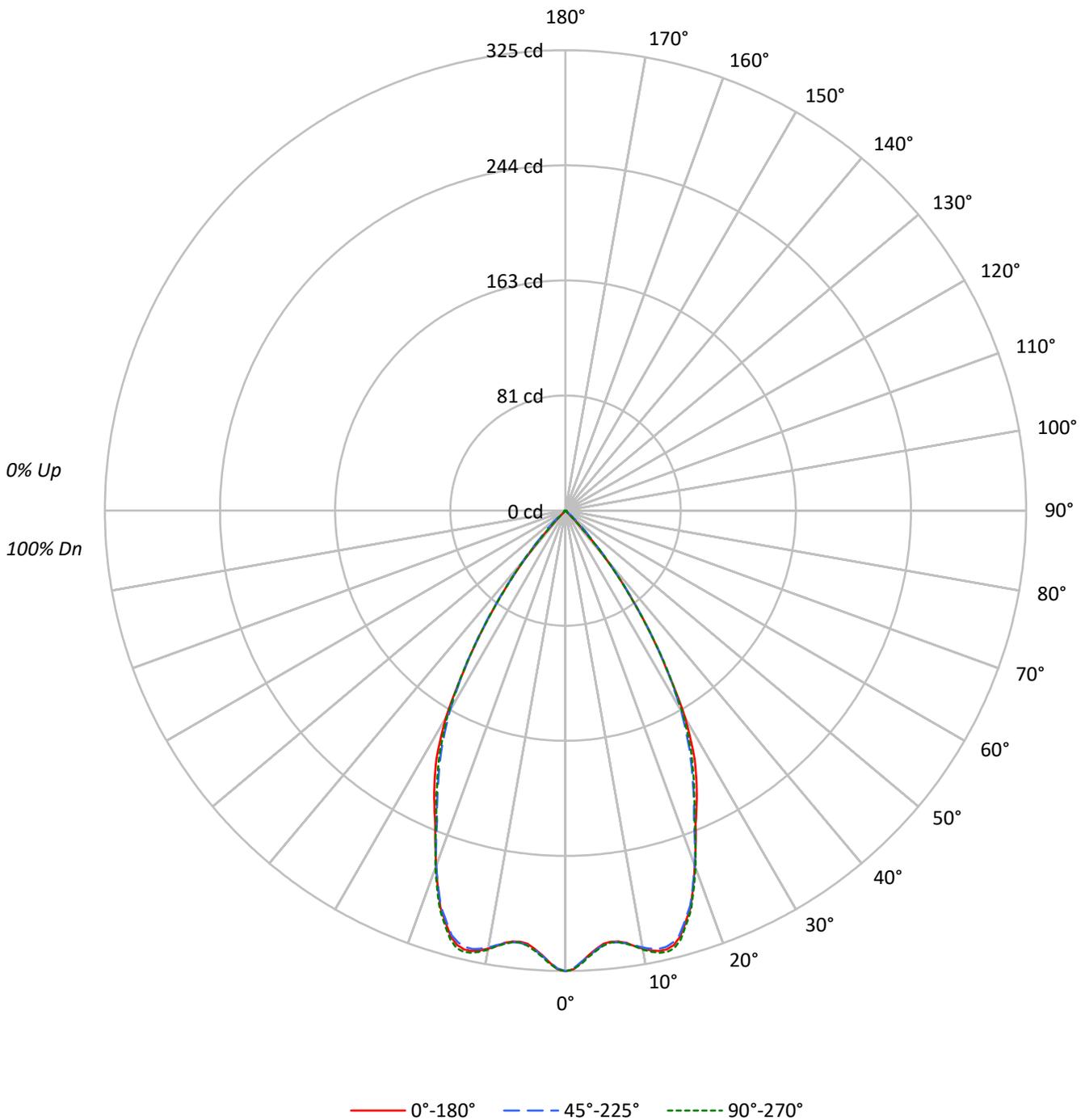
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 290.0 lumens  
Efficiency: N/A  
Efficacy: 80.6 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

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

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

	0°	45°	90°
0°	55990	55990	55990
5°	53074	53230	53299
10°	54912	54755	55035
15°	55575	55344	55914
20°	48935	48898	49154
25°	41654	40438	40780
30°	33608	32435	32992
35°	21277	21466	21235
40°	9937	10364	10094
45°	609	3653	706
50°	295	857	295
55°	330	330	330
60°	310	310	310
65°	285	367	285
70°	352	352	352
75°	333	333	333
80°	198	198	198
85°	395	395	395

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3653 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.6	10.2
10°-20°	85.4	29.4
20°-30°	98.4	33.9
30°-40°	63.2	21.8
40°-50°	11.0	3.8
50°-60°	1.0	0.4
60°-70°	0.8	0.3
70°-80°	0.5	0.2
80°-90°	0.1	0.0
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°	213.4	73.6
0°-40°	276.5	95.4
0°-60°	288.5	99.5
0°-90°	290.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	290.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	325	325	325	325	325	
5°	307	308	308	309	308	30
15°	312	311	310	312	314	85
25°	219	217	213	213	215	100
35°	101	100	102	100	101	63
45°	2	8	15	9	3	8
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°	325.1	325.1	325.1	325.1	325.1
1°	323.8	323.5	323.3	323.5	323.8
2°	319.2	319.0	318.8	319.7	320.1
3°	314.2	314.5	314.7	315.1	315.4
4°	310.2	310.6	310.8	311.3	311.5
5°	307.0	307.7	307.9	308.6	308.3
6°	306.1	306.5	306.8	307.0	306.5
7°	306.5	306.8	307.0	307.4	307.0
8°	308.1	308.3	308.6	308.8	308.8
9°	311.3	310.8	310.6	311.5	311.3
10°	314.0	313.3	313.1	314.5	314.7
11°	316.3	315.4	315.1	316.7	317.2
12°	317.9	316.5	316.3	318.3	319.2
13°	317.9	316.1	316.1	318.3	319.7
14°	316.1	314.0	314.0	316.5	318.1
15°	311.7	310.6	310.4	312.4	313.6
17.5°	293.6	292.2	292.5	294.7	295.0
20°	267.0	266.4	266.8	267.3	268.2
22.5°	240.0	239.6	237.1	237.8	238.2
25°	219.2	216.7	212.8	213.0	214.6
27.5°	197.2	194.7	189.2	190.4	191.9
30°	169.0	167.0	163.1	163.8	165.9
32.5°	132.7	136.8	133.2	134.3	133.6
35°	101.2	100.5	102.1	100.1	101.0
37.5°	71.2	71.5	72.2	70.3	70.3
40°	44.2	45.4	46.1	45.2	44.9
42.5°	18.6	25.4	26.8	25.4	18.8
45°	2.5	7.5	15.0	8.8	2.9
47.5°	1.1	1.6	7.9	1.6	1.1
50°	1.1	1.1	3.2	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.7	0.9	0.9	0.9	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
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°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.2	0.2
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)