

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: P1316170

Luminaire Tested: LDSQA3D02R609740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316170  
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: LDSQA3D02R609740DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

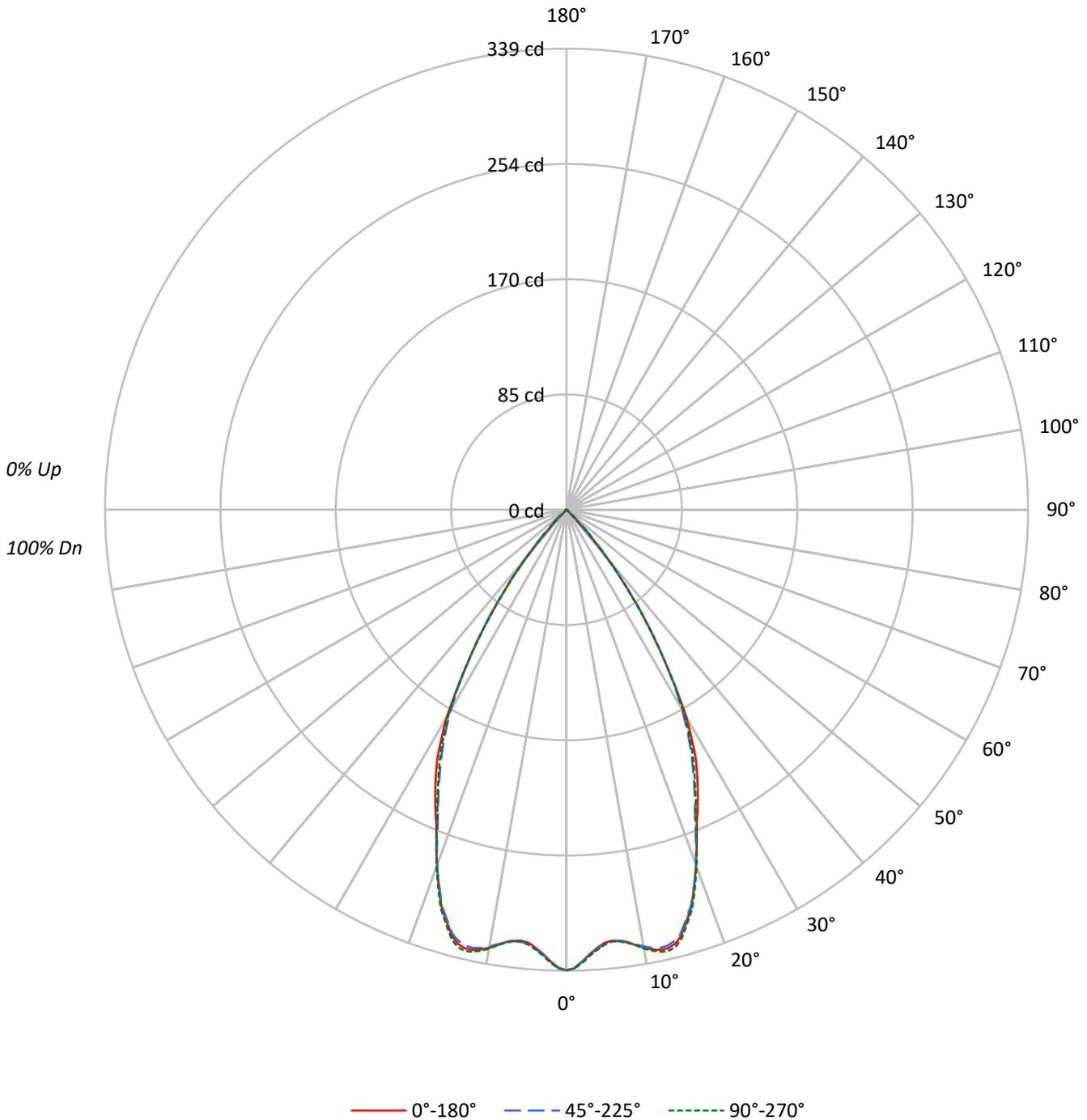
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 302.0 lumens  
Efficiency: N/A  
Efficacy: 83.9 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 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°	58315	58315	58315
5°	55270	55425	55512
10°	57186	57028	57308
15°	57876	57626	58214
20°	50969	50932	51189
25°	43364	42110	42471
30°	35000	33787	34344
35°	22160	22349	22097
40°	10364	10791	10522
45°	633	3800	755
50°	322	884	322
55°	360	360	360
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: 3800 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.9	10.2
10°-20°	88.9	29.4
20°-30°	102.4	33.9
30°-40°	65.8	21.8
40°-50°	11.5	3.8
50°-60°	1.1	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°	222.2	73.6
0°-40°	288.0	95.4
0°-60°	300.5	99.5
0°-90°	302.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	302.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	339	339	339	339	339	
5°	320	320	321	321	321	31
15°	325	324	323	325	326	89
25°	228	226	222	222	224	104
35°	105	105	106	104	105	66
45°	3	8	16	9	3	9
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°	338.6	338.6	338.6	338.6	338.6
1°	337.2	336.9	336.7	336.9	337.2
2°	332.4	332.2	332.0	332.9	333.4
3°	327.2	327.5	327.7	328.2	328.4
4°	323.0	323.5	323.7	324.2	324.4
5°	319.7	320.4	320.6	321.3	321.1
6°	318.7	319.2	319.4	319.7	319.2
7°	319.2	319.4	319.7	320.2	319.7
8°	320.9	321.1	321.3	321.6	321.6
9°	324.2	323.7	323.5	324.4	324.2
10°	327.0	326.3	326.1	327.5	327.7
11°	329.4	328.4	328.2	329.8	330.3
12°	331.0	329.6	329.4	331.5	332.4
13°	331.0	329.1	329.1	331.5	332.9
14°	329.1	327.0	327.0	329.6	331.3
15°	324.6	323.5	323.2	325.4	326.5
17.5°	305.7	304.3	304.6	306.9	307.2
20°	278.1	277.4	277.9	278.3	279.3
22.5°	250.0	249.5	246.9	247.6	248.1
25°	228.2	225.6	221.6	221.9	223.5
27.5°	205.3	202.7	197.1	198.2	199.9
30°	176.0	173.9	169.9	170.6	172.7
32.5°	138.2	142.5	138.7	139.9	139.2
35°	105.4	104.7	106.3	104.2	105.1
37.5°	74.2	74.4	75.1	73.2	73.2
40°	46.1	47.3	48.0	47.0	46.8
42.5°	19.4	26.5	27.9	26.5	19.6
45°	2.6	7.8	15.6	9.2	3.1
47.5°	1.2	1.7	8.3	1.7	1.2
50°	1.2	1.2	3.3	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
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)