

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: P1318134

Luminaire Tested: LDSQA3D05R609830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318134  
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: LDSQA3D05R609830DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

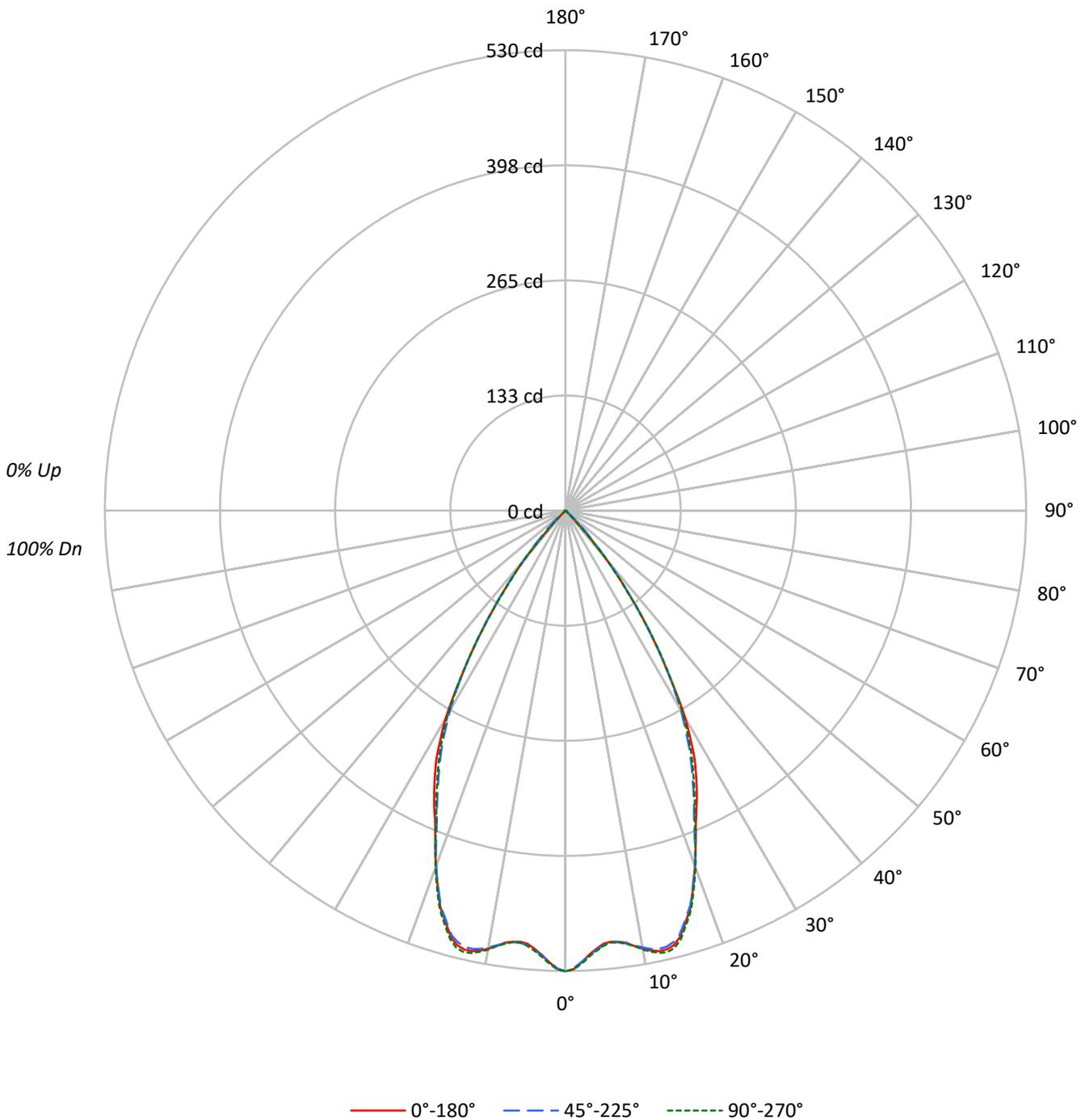
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 473.0 lumens  
Efficiency: N/A  
Efficacy: 65.7 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): 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	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°	91330	91330	91330
5°	86561	86821	86942
10°	89573	89311	89766
15°	90665	90254	91182
20°	79835	79762	80165
25°	67935	65958	66528
30°	54827	52918	53793
35°	34690	35006	34627
40°	16232	16884	16479
45°	999	5943	1169
50°	509	1393	509
55°	570	570	570
60°	517	517	517
65°	448	611	448
70°	554	554	554
75°	466	466	466
80°	397	397	397
85°	790	790	790

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 5943 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.3	10.2
10°-20°	139.2	29.4
20°-30°	160.5	33.9
30°-40°	103.0	21.8
40°-50°	17.9	3.8
50°-60°	1.7	0.4
60°-70°	1.3	0.3
70°-80°	0.8	0.2
80°-90°	0.3	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°	348.0	73.6
0°-40°	451.0	95.3
0°-60°	470.7	99.5
0°-90°	473.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	473.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	530	530	530	530	530	
5°	501	502	502	503	503	48
15°	508	507	506	510	511	139
25°	358	353	347	348	350	163
35°	165	164	166	163	165	103
45°	4	12	24	14	5	14
55°	2	2	2	2	2	2
65°	1	2	2	2	1	1
75°	1	1	1	1	1	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°	530.3	530.3	530.3	530.3	530.3
1°	528.1	527.7	527.3	527.7	528.1
2°	520.7	520.3	519.9	521.4	522.2
3°	512.5	512.9	513.3	514.0	514.4
4°	505.9	506.6	507.0	507.7	508.1
5°	500.7	501.8	502.2	503.3	502.9
6°	499.2	500.0	500.3	500.7	500.0
7°	500.0	500.3	500.7	501.4	500.7
8°	502.5	502.9	503.3	503.7	503.7
9°	507.7	507.0	506.6	508.1	507.7
10°	512.2	511.1	510.7	512.9	513.3
11°	515.9	514.4	514.0	516.6	517.3
12°	518.5	516.2	515.9	519.2	520.7
13°	518.5	515.5	515.5	519.2	521.4
14°	515.5	512.2	512.2	516.2	518.8
15°	508.5	506.6	506.2	509.6	511.4
17.5°	478.9	476.6	477.0	480.7	481.1
20°	435.6	434.5	435.2	435.9	437.4
22.5°	391.5	390.8	386.7	387.8	388.6
25°	357.5	353.4	347.1	347.5	350.1
27.5°	321.6	317.5	308.6	310.5	313.1
30°	275.7	272.4	266.1	267.2	270.5
32.5°	216.5	223.1	217.2	219.1	218.0
35°	165.0	163.9	166.5	163.2	164.7
37.5°	116.2	116.6	117.7	114.7	114.7
40°	72.2	74.0	75.1	73.6	73.3
42.5°	30.3	41.4	43.7	41.4	30.7
45°	4.1	12.2	24.4	14.4	4.8
47.5°	1.9	2.6	13.0	2.6	1.9
50°	1.9	1.9	5.2	1.9	1.9
52.5°	1.9	1.9	1.9	1.9	1.9
55°	1.9	1.9	1.9	1.9	1.9
57.5°	1.9	1.9	1.9	1.9	1.9
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.5	1.5	1.5	1.5	1.5
65°	1.1	1.5	1.5	1.5	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.4	0.4
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)