

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: P1319156

Luminaire Tested: LDSQA3D09R609835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319156  
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: LDSQA3D09R609835DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

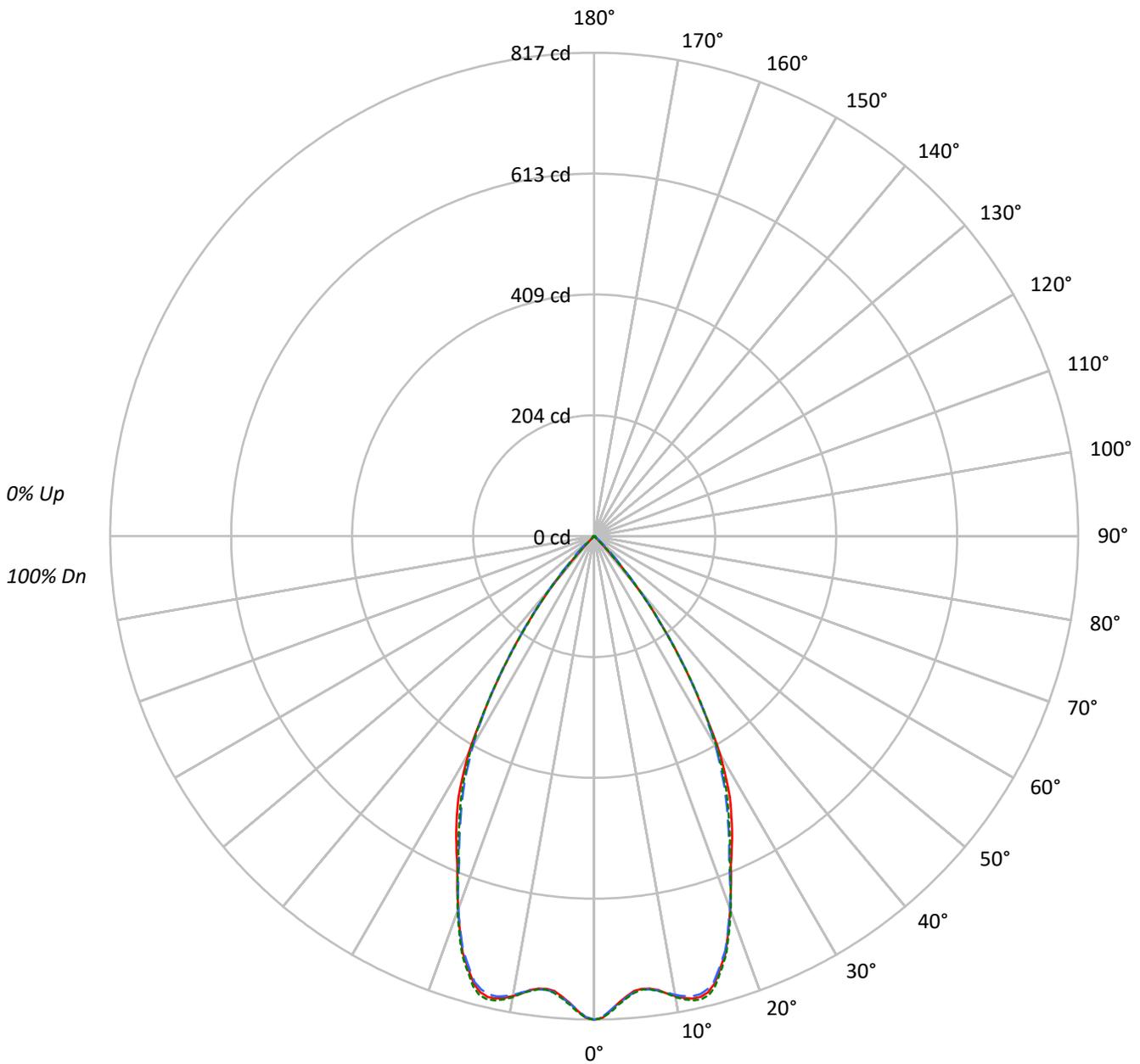
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 729.0 lumens  
Efficiency: N/A  
Efficacy: 66.3 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): 11  
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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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°	140758	140758	140758
5°	133412	133810	134000
10°	138050	137648	138347
15°	139732	139108	140534
20°	123033	122923	123564
25°	104705	101664	102538
30°	84498	81555	82907
35°	53486	53970	53360
40°	25000	26034	25382
45°	1534	9158	1802
50°	777	2143	777
55°	871	871	871
60°	792	792	792
65°	693	937	693
70°	856	856	856
75°	732	732	732
80°	595	595	595
85°	1186	1186	1186

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 9158 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.5	10.2
10°-20°	214.6	29.4
20°-30°	247.3	33.9
30°-40°	158.8	21.8
40°-50°	27.6	3.8
50°-60°	2.7	0.4
60°-70°	2.0	0.3
70°-80°	1.2	0.2
80°-90°	0.4	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°	536.3	73.6
0°-40°	695.2	95.4
0°-60°	725.4	99.5
0°-90°	729.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	729.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	817	817	817	817	817	
5°	772	773	774	776	775	74
15°	784	781	780	785	788	215
25°	551	545	535	536	540	251
35°	254	253	257	252	254	159
45°	6	19	38	22	7	21
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	1	1	1	1	1	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	817.3	817.3	817.3	817.3	817.3
1°	813.9	813.3	812.8	813.3	813.9
2°	802.5	801.9	801.3	803.6	804.8
3°	789.9	790.5	791.1	792.2	792.8
4°	779.7	780.8	781.4	782.5	783.1
5°	771.7	773.4	774.0	775.7	775.1
6°	769.4	770.5	771.1	771.7	770.5
7°	770.5	771.1	771.7	772.8	771.7
8°	774.5	775.1	775.7	776.2	776.2
9°	782.5	781.4	780.8	783.1	782.5
10°	789.4	787.7	787.1	790.5	791.1
11°	795.1	792.8	792.2	796.2	797.4
12°	799.1	795.6	795.1	800.2	802.5
13°	799.1	794.5	794.5	800.2	803.6
14°	794.5	789.4	789.4	795.6	799.6
15°	783.7	780.8	780.2	785.4	788.2
17.5°	738.0	734.6	735.2	740.9	741.5
20°	671.3	669.6	670.7	671.9	674.2
22.5°	603.4	602.3	596.0	597.7	598.9
25°	551.0	544.7	535.0	535.6	539.6
27.5°	495.6	489.4	475.7	478.5	482.5
30°	424.9	419.8	410.1	411.8	416.9
32.5°	333.7	343.9	334.8	337.6	335.9
35°	254.4	252.7	256.7	251.5	253.8
37.5°	179.1	179.7	181.4	176.8	176.8
40°	111.2	114.1	115.8	113.5	112.9
42.5°	46.8	63.9	67.3	63.9	47.3
45°	6.3	18.8	37.6	22.2	7.4
47.5°	2.9	4.0	20.0	4.0	2.9
50°	2.9	2.9	8.0	2.9	2.9
52.5°	2.9	2.9	2.9	2.9	2.9
55°	2.9	2.9	2.9	2.9	2.9
57.5°	2.9	2.9	2.9	2.9	2.9
60°	2.3	2.3	2.3	2.3	2.3
62.5°	2.3	2.3	2.3	2.3	2.3
65°	1.7	2.3	2.3	2.3	1.7
67.5°	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6
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)