

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: P1307913

Luminaire Tested: LDSQA3D09R159027DE010 3LSQPHR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307913  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R159027DE010 3LSQPHR1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , 3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

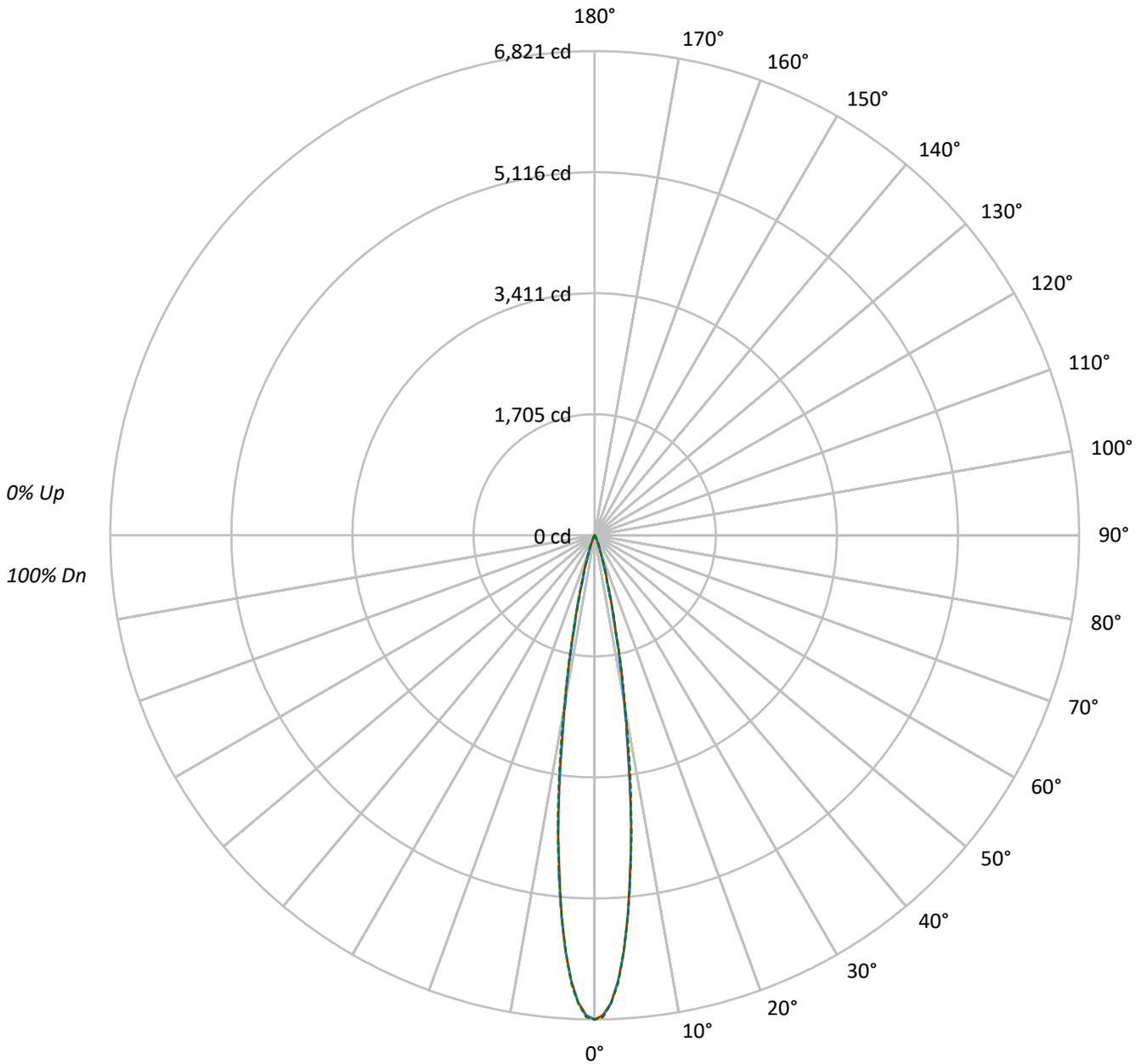
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 683.0 lumens  
Efficiency: N/A  
Efficacy: 61.5 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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				
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	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	97	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	97	96	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	96	94	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	95	93	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	94	92	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	92	90	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	91	89	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	90	88	86	86

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

	0°	45°	90°
0°	1174748	1174748	1174748
5°	926639	929129	925810
10°	423943	412838	432897
15°	126057	112542	123489
20°	37425	36307	39313
25°	10641	13758	12333
30°	3798	4077	3659
35°	1430	1282	1282
40°	607	315	450
45°	341	170	341
50°	188	0	188
55°	210	0	210
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 47.5°  
 Luminance: 357 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	412.1	60.3
10°-20°	228.8	33.5
20°-30°	36.4	5.3
30°-40°	4.8	0.7
40°-50°	0.7	0.1
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	677.4	99.2
0°-40°	682.1	99.9
0°-60°	683.0	100.0
0°-90°	683.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	683.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6821	6821	6821	6821	6821	
5°	5360	5405	5374	5352	5355	411
15°	707	698	631	671	693	233
25°	56	63	72	72	65	34
35°	7	7	6	7	6	5
45°	1	1	1	1	1	1
55°	1	0	0	0	1	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6821.1	6821.1	6821.1	6821.1	6821.1	6821.1	6821.1	6821.1	6821.1	6821.1	6821.1
1°	6762.4	6769.9	6779.4	6770.5	6762.4	6769.9	6759.6	6761.0	6752.8	6770.5	6790.4
2°	6590.2	6599.8	6594.3	6582.0	6601.1	6602.5	6581.3	6571.1	6569.7	6587.5	6594.3
3°	6285.6	6307.4	6308.1	6304.0	6297.9	6285.6	6263.7	6278.1	6258.2	6246.0	6315.6
4°	5880.5	5899.6	5922.2	5907.2	5862.1	5866.2	5880.5	5832.0	5834.7	5862.8	5864.8
5°	5360.0	5418.1	5420.8	5399.6	5364.1	5374.4	5364.1	5350.5	5355.2	5373.0	5355.2
6°	4747.3	4812.9	4764.4	4810.8	4800.6	4813.6	4817.0	4802.6	4812.9	4802.0	4798.5
7°	4217.9	4168.1	4174.9	4155.8	4176.3	4189.9	4198.1	4173.5	4193.3	4224.8	4233.6
8°	3561.5	3547.2	3532.8	3567.0	3557.4	3573.8	3584.0	3611.4	3610.0	3619.6	3651.0
9°	2936.5	2957.7	2970.7	2940.6	2966.6	2916.0	2933.8	3006.9	2987.7	3006.9	3062.9
10°	2424.2	2441.3	2422.2	2421.5	2394.1	2360.7	2358.6	2385.9	2443.3	2488.4	2475.4
12.5°	1337.4	1352.5	1354.5	1353.2	1304.0	1248.6	1258.9	1280.7	1316.3	1331.3	1355.9
15°	707.0	706.3	713.8	692.6	666.7	631.2	633.9	663.9	690.6	697.4	692.6
17.5°	362.7	364.1	369.5	364.1	336.8	340.2	347.7	351.1	366.8	373.0	369.5
20°	204.2	204.9	204.2	206.3	195.4	198.1	207.7	208.3	211.8	215.2	214.5
22.5°	116.8	117.5	121.6	120.2	117.5	120.9	123.0	126.4	127.7	126.4	130.5
25°	56.0	56.7	56.7	64.9	69.0	72.4	73.8	72.4	71.0	65.6	64.9
27.5°	32.1	32.1	33.5	34.2	35.5	41.7	41.0	34.2	28.7	28.7	29.4
30°	19.1	18.4	18.4	19.1	19.8	20.5	19.1	18.4	18.4	19.1	18.4
32.5°	11.6	11.6	11.6	10.9	10.9	10.2	10.2	11.6	11.6	11.6	11.6
35°	6.8	6.8	6.8	6.8	6.1	6.1	6.1	6.8	6.8	6.1	6.1
37.5°	4.1	4.1	4.1	3.4	3.4	2.7	3.4	3.4	3.4	3.4	3.4
40°	2.7	2.7	2.0	2.0	1.4	1.4	1.4	2.0	2.0	2.0	2.0
42.5°	2.0	2.0	1.4	1.4	0.7	0.7	0.7	1.4	1.4	1.4	1.4
45°	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4
47.5°	1.4	1.4	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.7	0.7
50°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
52.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)