

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: P1316379

Luminaire Tested: LDSQA3D09R159740DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316379
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: LDSQA3D09R159740DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

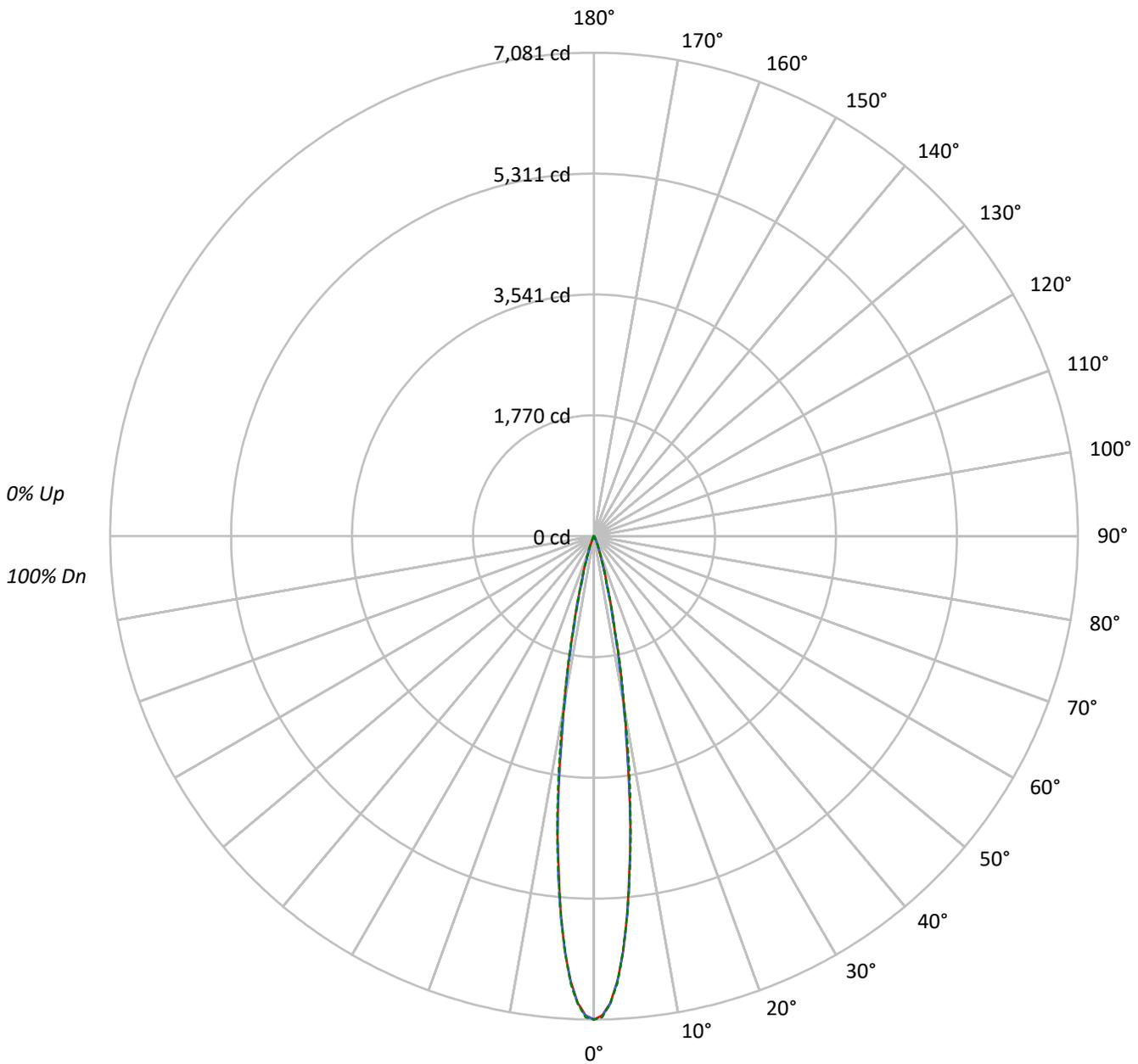
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 709.0 lumens
Efficiency: N/A
Efficacy: 63.9 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_{in}): 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	101	100	100	98	
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	100	99	98	97	
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	99	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°	1219474	1219474	1219474
5°	961924	964483	961060
10°	440084	428542	449388
15°	130853	116821	128196
20°	38854	37681	40797
25°	11041	14290	12808
30°	3957	4236	3798
35°	1493	1346	1346
40°	629	315	472
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°	427.8	60.3
10°-20°	237.5	33.5
20°-30°	37.8	5.3
30°-40°	4.9	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°	703.1	99.2
0°-40°	708.1	99.9
0°-60°	709.0	100.0
0°-90°	709.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	709.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7081	7081	7081	7081	7081	
5°	5564	5611	5579	5555	5559	427
15°	734	724	655	696	719	242
25°	58	65	75	75	67	36
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°	7080.8	7080.8	7080.8	7080.8	7080.8	7080.8	7080.8	7080.8	7080.8	7080.8	7080.8
1°	7019.8	7027.6	7037.5	7028.3	7019.8	7027.6	7016.9	7018.4	7009.8	7028.3	7048.8
2°	6841.1	6851.0	6845.3	6832.6	6852.4	6853.9	6831.9	6821.2	6819.8	6838.3	6845.3
3°	6524.8	6547.5	6548.2	6544.0	6537.6	6524.8	6502.2	6517.0	6496.5	6483.7	6556.0
4°	6104.4	6124.2	6147.6	6132.0	6085.2	6089.5	6104.4	6054.0	6056.9	6085.9	6088.1
5°	5564.1	5624.3	5627.2	5605.2	5568.3	5578.9	5568.3	5554.1	5559.1	5577.5	5559.1
6°	4928.0	4996.1	4945.8	4994.0	4983.3	4996.8	5000.3	4985.5	4996.1	4984.7	4981.2
7°	4378.5	4326.7	4333.8	4314.0	4335.2	4349.4	4357.9	4332.4	4353.0	4385.6	4394.8
8°	3697.1	3682.2	3667.3	3702.8	3692.8	3709.8	3720.5	3748.8	3747.4	3757.4	3790.0
9°	3048.3	3070.3	3083.7	3052.5	3079.5	3027.0	3045.4	3121.3	3101.5	3121.3	3179.5
10°	2516.5	2534.2	2514.4	2513.6	2485.3	2450.5	2448.4	2476.8	2536.3	2583.1	2569.7
12.5°	1388.4	1404.0	1406.1	1404.7	1353.6	1296.2	1306.8	1329.5	1366.4	1382.0	1407.5
15°	733.9	733.2	741.0	719.0	692.1	655.2	658.0	689.2	716.9	724.0	719.0
17.5°	376.5	377.9	383.6	377.9	349.6	353.1	360.9	364.5	380.8	387.2	383.6
20°	212.0	212.7	212.0	214.1	202.8	205.6	215.6	216.3	219.8	223.4	222.6
22.5°	121.3	122.0	126.2	124.8	122.0	125.5	127.6	131.2	132.6	131.2	135.4
25°	58.1	58.9	58.9	67.4	71.6	75.2	76.6	75.2	73.7	68.1	67.4
27.5°	33.3	33.3	34.7	35.5	36.9	43.3	42.5	35.5	29.8	29.8	30.5
30°	19.9	19.1	19.1	19.9	20.6	21.3	19.9	19.1	19.1	19.9	19.1
32.5°	12.1	12.1	12.1	11.3	11.3	10.6	10.6	12.1	12.1	12.1	12.1
35°	7.1	7.1	7.1	7.1	6.4	6.4	6.4	7.1	7.1	6.4	6.4
37.5°	4.3	4.3	4.3	3.5	3.5	2.8	3.5	3.5	3.5	3.5	3.5
40°	2.8	2.8	2.1	2.1	1.4	1.4	1.4	2.1	2.1	2.1	2.1
42.5°	2.1	2.1	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)