

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: P1307755

Luminaire Tested: LDSQA3D05R159027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307755
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R159027DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

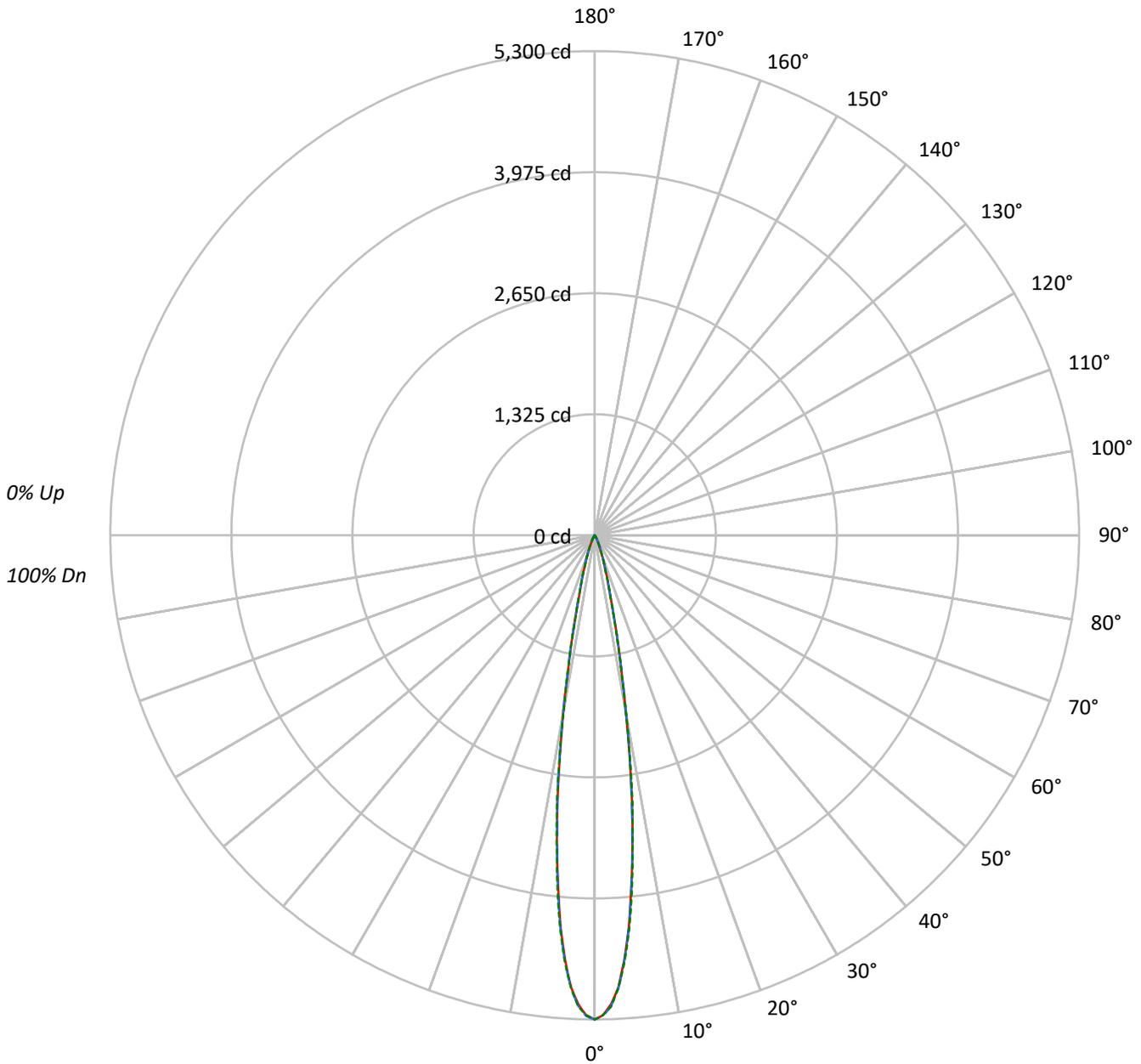
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 595.0 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
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_{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% Up
100% Dn

— 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	105	104	103	102	101	100	99	99	98	99	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	91	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	93	91	89	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	88	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	90	88	86	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	85	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	912797	912797	912797
5°	742228	744821	747397
10°	345667	345999	344110
15°	106961	110777	108708
20°	42648	45031	42135
25°	17844	21036	16950
30°	7239	9665	6682
35°	2355	4415	2166
40°	832	1776	832
45°	341	560	341
50°	241	375	241
55°	270	270	270
60°	310	310	310
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 560 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.8	55.8
10°-20°	198.4	33.3
20°-30°	50.5	8.5
30°-40°	11.0	1.8
40°-50°	1.8	0.3
50°-60°	0.8	0.1
60°-70°	0.5	0.1
70°-80°	0.3	0.1
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°	580.6	97.6
0°-40°	591.5	99.4
0°-60°	594.1	99.9
0°-90°	595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	595.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5300	5300	5300	5300	5300	
5°	4293	4299	4308	4289	4323	331
15°	600	617	621	612	610	197
25°	94	100	111	98	89	48
35°	11	14	21	14	10	9
45°	1	2	2	2	1	1
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
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°	5300.1	5300.1	5300.1	5300.1	5300.1
1°	5253.9	5262.7	5264.1	5262.7	5255.3
2°	5135.7	5161.8	5156.2	5145.0	5160.9
3°	4953.0	4966.1	4964.2	4965.1	4961.4
4°	4655.9	4678.8	4665.7	4675.5	4676.4
5°	4293.3	4299.4	4308.3	4288.7	4323.2
6°	3847.2	3886.0	3851.9	3885.5	3899.1
7°	3393.6	3416.0	3372.5	3395.9	3409.9
8°	2929.7	2890.4	2914.2	2914.7	2961.0
9°	2428.8	2436.8	2456.9	2434.0	2454.1
10°	1976.6	1994.8	1978.5	1970.5	1967.7
11°	1560.8	1581.4	1580.0	1582.3	1566.9
12°	1255.8	1245.0	1252.0	1229.1	1239.4
13°	977.3	977.8	972.2	962.8	954.4
14°	765.7	761.0	774.1	762.4	751.7
15°	599.9	616.7	621.3	612.5	609.7
17.5°	370.0	370.5	377.0	368.6	367.7
20°	232.7	238.3	245.7	236.9	229.9
22.5°	147.2	152.3	164.0	152.8	143.0
25°	93.9	100.4	110.7	98.1	89.2
27.5°	58.9	64.9	74.7	63.1	56.5
30°	36.4	40.6	48.6	39.7	33.6
32.5°	21.0	25.2	31.8	23.8	20.1
35°	11.2	14.5	21.0	14.0	10.3
37.5°	6.5	8.4	13.5	7.5	6.1
40°	3.7	5.1	7.9	4.7	3.7
42.5°	2.3	3.3	3.7	2.8	1.9
45°	1.4	1.9	2.3	1.9	1.4
47.5°	0.9	1.4	1.9	0.9	0.9
50°	0.9	0.9	1.4	0.9	0.9
52.5°	0.9	0.9	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.9	0.9	0.9	0.9	0.9
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
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°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)