

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: P1306781

Luminaire Tested: LDSQA3D05R159024DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R159024DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

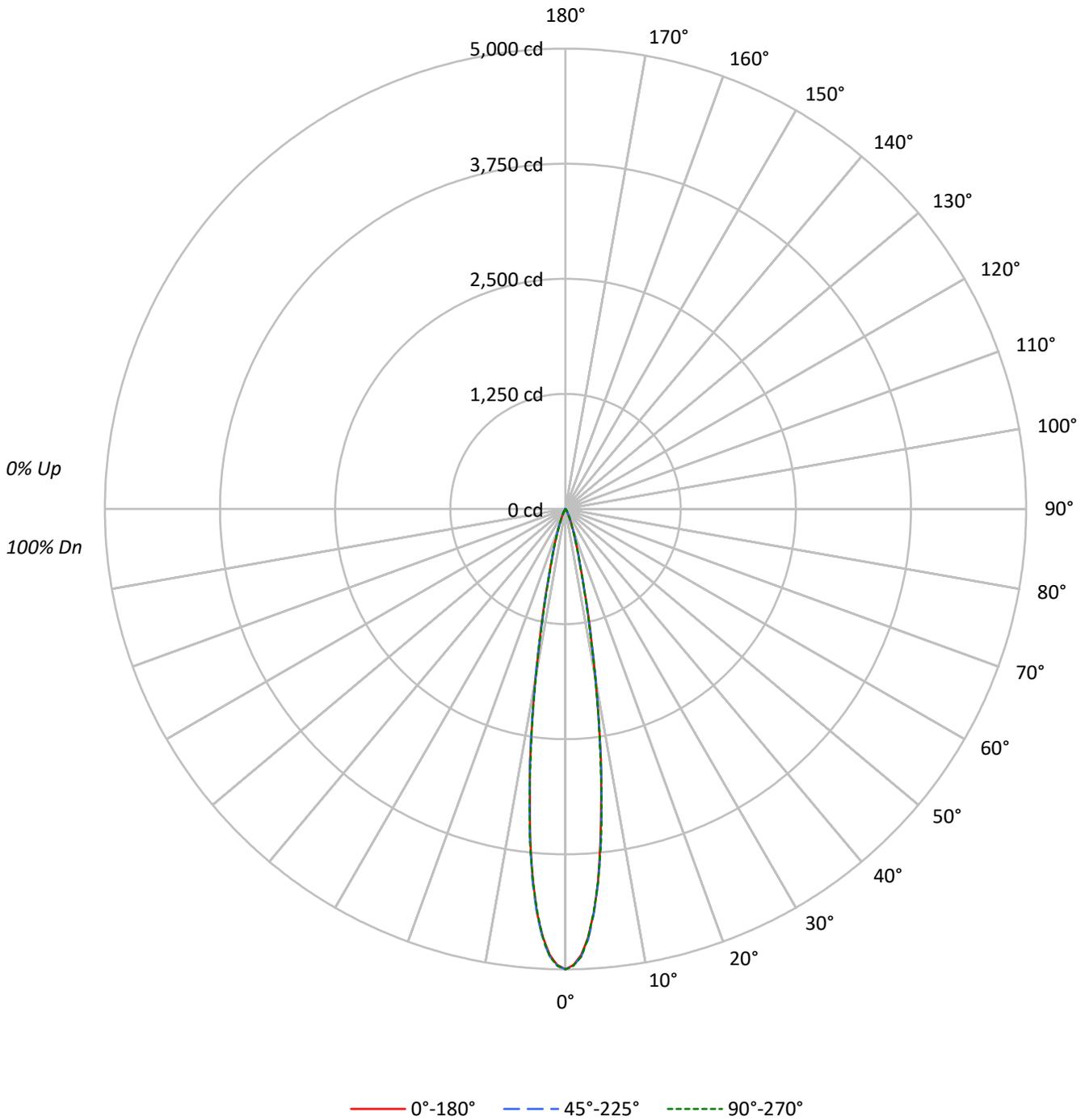
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 558.0 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 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 (Ain): 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

TEST NUMBER: P1306781
CATALOG NUMBER: LDSQA3D05R159024DE010 3LSQCDR1MB

Luminous Intensity Polar Plot





TEST NUMBER: P1306781

CATALOG NUMBER: LDSQA3D05R159024DE010 3LSQCDR1MB

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	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	98	96	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	95	93	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	90	88	87	86
9	97	92	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	89	87	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	88	85	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	861062	861062	861062
5°	701065	703347	701981
10°	327025	329963	325800
15°	102700	103555	102931
20°	40687	42300	39386
25°	16437	19877	15848
30°	6582	9048	6224
35°	1955	3995	1850
40°	585	1484	495
45°	97	317	97
50°	0	107	0
55°	0	0	0
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: 45°

Vertical Angle: 45°

Luminance: 317 cd/sqm



TEST NUMBER: P1306781

CATALOG NUMBER: LDSQA3D05R159024DE010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.0	56.1
10°-20°	187.2	33.6
20°-30°	47.2	8.5
30°-40°	9.6	1.7
40°-50°	0.9	0.2
50°-60°	0.0	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°	547.4	98.1
0°-40°	557.1	99.8
0°-60°	558.0	100.0
0°-90°	558.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	558.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5000	5000	5000	5000	5000	
5°	4055	4048	4068	4058	4060	312
15°	576	581	581	572	577	187
25°	86	94	105	93	83	44
35°	9	12	19	12	9	8
45°	0	1	1	1	0	0
55°	0	0	0	0	0	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



TEST NUMBER: P1306781
 CATALOG NUMBER: LDSQA3D05R159024DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4999.7	4999.7	4999.7	4999.7	4999.7
1°	4954.6	4971.4	4962.6	4969.6	4961.7
2°	4847.4	4869.9	4862.8	4860.6	4866.8
3°	4658.5	4684.5	4683.7	4677.0	4666.4
4°	4400.7	4390.1	4406.5	4404.7	4386.6
5°	4055.2	4047.7	4068.4	4058.3	4060.5
6°	3632.3	3665.0	3657.9	3658.8	3667.2
7°	3178.2	3195.8	3210.9	3223.2	3206.0
8°	2761.1	2756.7	2758.0	2772.1	2724.5
9°	2294.2	2321.5	2303.9	2275.6	2293.7
10°	1870.0	1886.8	1886.8	1862.1	1863.0
11°	1490.9	1504.6	1494.9	1501.0	1462.2
12°	1201.8	1167.8	1159.9	1166.1	1165.6
13°	917.6	919.8	917.6	917.1	912.7
14°	719.4	730.9	726.0	714.1	708.8
15°	576.0	580.8	580.8	572.4	577.3
17.5°	346.0	351.8	353.1	347.3	347.3
20°	222.0	224.6	230.8	222.4	214.9
22.5°	136.8	142.6	153.1	140.8	134.6
25°	86.5	94.4	104.6	92.7	83.4
27.5°	54.3	60.9	69.7	58.3	52.5
30°	33.1	37.5	45.5	36.6	31.3
32.5°	18.5	22.1	28.7	21.2	17.7
35°	9.3	12.4	19.0	11.9	8.8
37.5°	5.3	6.6	11.9	5.7	4.9
40°	2.6	3.5	6.6	3.5	2.2
42.5°	0.9	1.8	2.6	1.8	0.9
45°	0.4	0.9	1.3	0.9	0.4
47.5°	0.0	0.0	0.4	0.0	0.0
50°	0.0	0.0	0.4	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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



TEST NUMBER: P1306781
CATALOG NUMBER: LDSQA3D05R159024DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)