

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: P1308871

Luminaire Tested: LDSQA3D05R159030DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308871
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: LDSQA3D05R159030DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

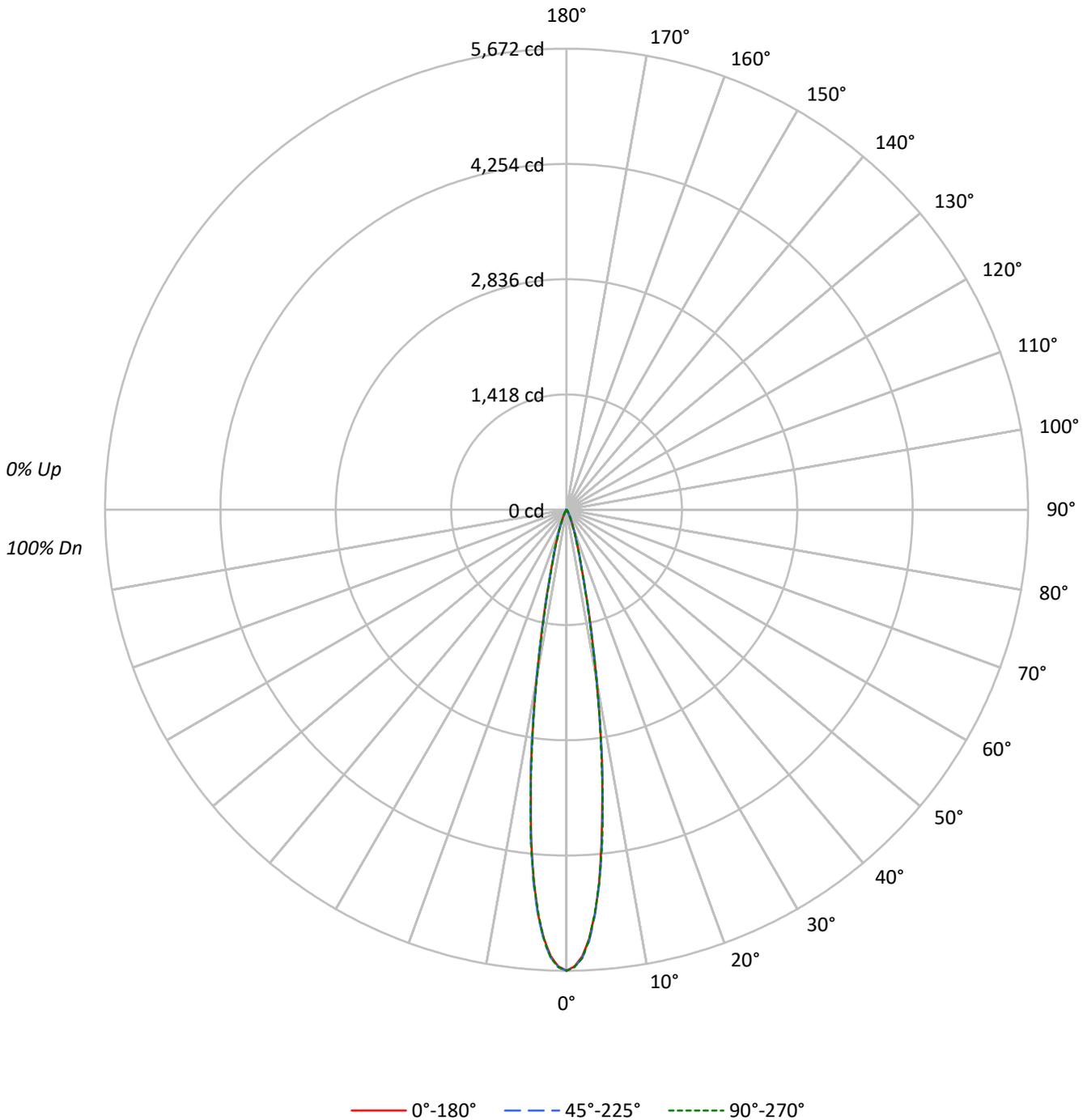
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 633.0 lumens
Efficiency: N/A
Efficacy: 87.9 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: P1308871
CATALOG NUMBER: LDSQA3D05R159030DE010 3LSQCDR1MB

Luminous Intensity Polar Plot





TEST NUMBER: P1308871
 CATALOG NUMBER: LDSQA3D05R159030DE010 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	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	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°	976795	976795	976795
5°	795285	797878	796322
10°	370989	374312	369590
15°	116500	117481	116767
20°	46149	48000	44683
25°	18642	22556	17977
30°	7477	10261	7060
35°	2208	4520	2102
40°	674	1686	562
45°	122	365	122
50°	0	134	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: 365 cd/sqm



TEST NUMBER: P1308871

CATALOG NUMBER: LDSQA3D05R159030DE010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.1	56.1
10°-20°	212.4	33.6
20°-30°	53.6	8.5
30°-40°	10.9	1.7
40°-50°	1.0	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°	621.0	98.1
0°-40°	632.0	99.8
0°-60°	633.0	100.0
0°-90°	633.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	633.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5672	5672	5672	5672	5672	
5°	4600	4592	4615	4604	4606	354
15°	653	659	659	649	655	212
25°	98	107	119	105	95	50
35°	10	14	22	14	10	9
45°	0	1	2	1	0	1
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: P1308871
 CATALOG NUMBER: LDSQA3D05R159030DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5671.7	5671.7	5671.7	5671.7	5671.7
1°	5620.6	5639.6	5629.6	5637.6	5628.6
2°	5498.9	5524.5	5516.4	5513.9	5521.0
3°	5284.6	5314.2	5313.2	5305.7	5293.6
4°	4992.2	4980.2	4998.7	4996.7	4976.2
5°	4600.2	4591.7	4615.2	4603.7	4606.2
6°	4120.6	4157.6	4149.6	4150.6	4160.1
7°	3605.4	3625.4	3642.4	3656.4	3636.9
8°	3132.2	3127.2	3128.7	3144.7	3090.7
9°	2602.5	2633.6	2613.5	2581.5	2602.0
10°	2121.4	2140.4	2140.4	2112.4	2113.4
11°	1691.3	1706.8	1695.8	1702.8	1658.7
12°	1363.3	1324.8	1315.8	1322.8	1322.3
13°	1040.9	1043.4	1040.9	1040.4	1035.4
14°	816.1	829.1	823.6	810.1	804.1
15°	653.4	658.9	658.9	649.4	654.9
17.5°	392.5	399.0	400.5	394.0	394.0
20°	251.8	254.8	261.9	252.3	243.8
22.5°	155.2	161.7	173.7	159.7	152.7
25°	98.1	107.1	118.7	105.1	94.6
27.5°	61.6	69.1	79.1	66.1	59.6
30°	37.6	42.6	51.6	41.6	35.5
32.5°	21.0	25.0	32.5	24.0	20.0
35°	10.5	14.0	21.5	13.5	10.0
37.5°	6.0	7.5	13.5	6.5	5.5
40°	3.0	4.0	7.5	4.0	2.5
42.5°	1.0	2.0	3.0	2.0	1.0
45°	0.5	1.0	1.5	1.0	0.5
47.5°	0.0	0.0	0.5	0.0	0.0
50°	0.0	0.0	0.5	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: P1308871
CATALOG NUMBER: LDSQA3D05R159030DE010 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)