

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: P1315246

Luminaire Tested: LDSQA3D05R159735DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315246
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: LDSQA3D05R159735DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

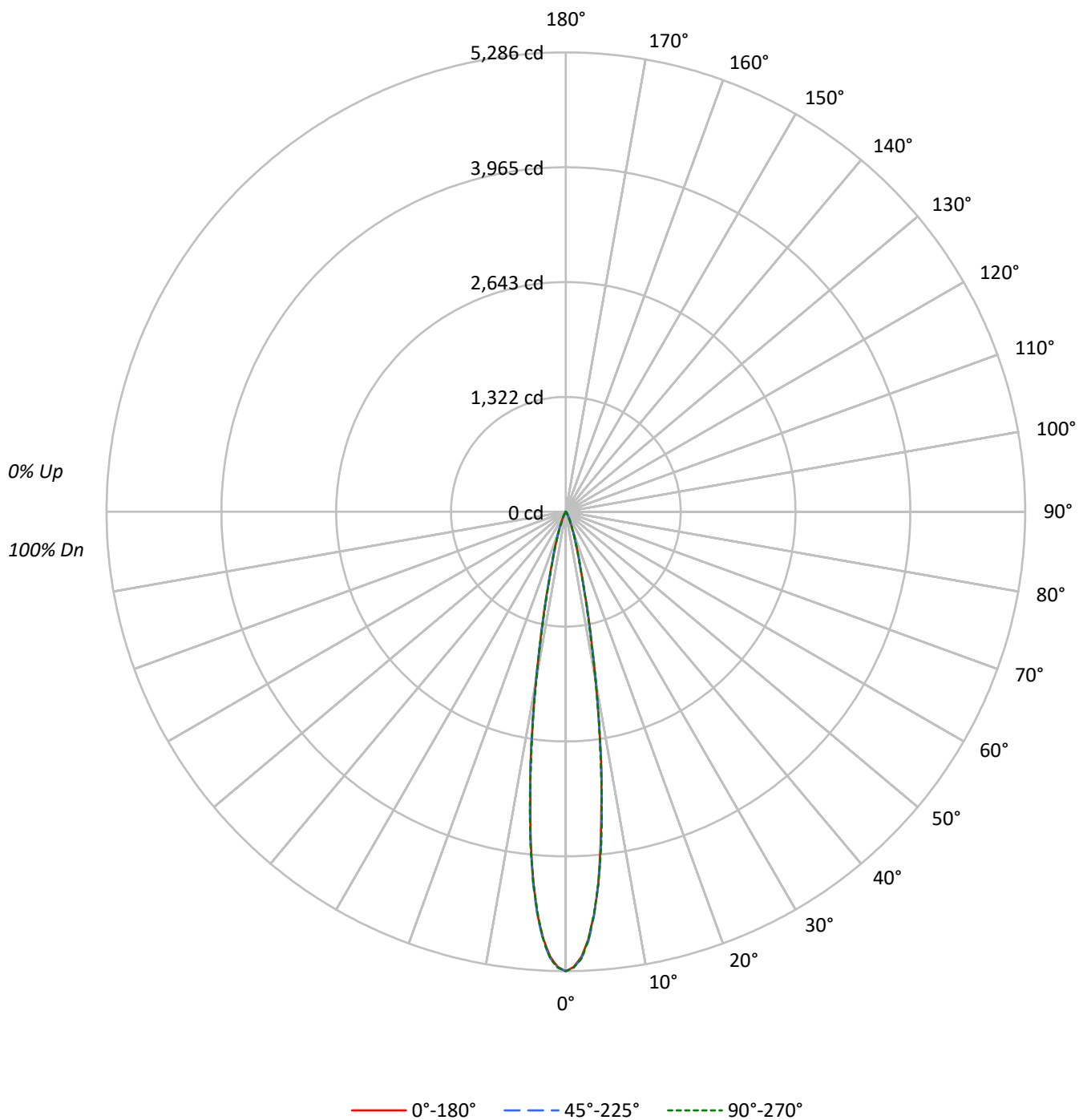
Lumens per Lamp: N/A
Luminaire Lumens: 590.0 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1315246

CATALOG NUMBER: LDSQA3D05R159735DE010 3LSQCDR1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1315246

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	97	94	92	102	97	94	91	96	93	91		94	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	88		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		90
9	97	91	88	86	96	91	88	86	90	88	86		90	87	85		89
10	95	90	87	84	95	90	86	84	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	910438	910438	910438
5°	741260	743680	742228
10°	345789	348885	344478
15°	108583	109493	108833
20°	43015	44738	41659
25°	17387	21017	16760
30°	6960	9565	6582
35°	2060	4226	1955
40°	629	1574	517
45°	122	341	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: 341 cd/sqm

TEST NUMBER: P1315246

CATALOG NUMBER: LDSQA3D05R159735DE010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.0	56.1
10°-20°	198.0	33.6
20°-30°	49.9	8.5
30°-40°	10.2	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°	578.9	98.1
0°-40°	589.0	99.8
0°-60°	590.0	100.0
0°-90°	590.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	590.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5286	5286	5286	5286	5286	
5°	4288	4280	4302	4291	4293	330
15°	609	614	614	605	610	198
25°	92	100	111	98	88	47
35°	10	13	20	13	9	8
45°	0	1	1	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	

TEST NUMBER: P1315246

CATALOG NUMBER: LDSQA3D05R159735DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5286.4	5286.4	5286.4	5286.4	5286.4
1°	5238.8	5256.5	5247.2	5254.6	5246.2
2°	5125.4	5149.2	5141.7	5139.4	5145.9
3°	4925.6	4953.2	4952.2	4945.2	4934.0
4°	4653.1	4641.9	4659.2	4657.3	4638.2
5°	4287.7	4279.8	4301.7	4291.0	4293.3
6°	3840.7	3875.2	3867.7	3868.7	3877.5
7°	3360.5	3379.1	3395.0	3408.1	3389.9
8°	2919.5	2914.8	2916.2	2931.1	2880.7
9°	2425.7	2454.7	2436.0	2406.1	2425.3
10°	1977.3	1995.0	1995.0	1968.9	1969.8
11°	1576.4	1590.9	1580.6	1587.1	1546.1
12°	1270.7	1234.8	1226.4	1232.9	1232.5
13°	970.2	972.5	970.2	969.7	965.1
14°	760.7	772.8	767.7	755.1	749.5
15°	609.0	614.1	614.1	605.3	610.4
17.5°	365.9	371.9	373.3	367.3	367.3
20°	234.7	237.5	244.1	235.2	227.3
22.5°	144.7	150.7	161.9	148.9	142.3
25°	91.5	99.9	110.6	98.0	88.2
27.5°	57.4	64.4	73.7	61.6	55.5
30°	35.0	39.7	48.1	38.7	33.1
32.5°	19.6	23.3	30.3	22.4	18.7
35°	9.8	13.1	20.1	12.6	9.3
37.5°	5.6	7.0	12.6	6.1	5.1
40°	2.8	3.7	7.0	3.7	2.3
42.5°	0.9	1.9	2.8	1.9	0.9
45°	0.5	0.9	1.4	0.9	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: P1315246

CATALOG NUMBER: LDSQA3D05R159735DE010 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)