

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: P1308703

Luminaire Tested: LDSQA3D02R159030DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308703
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: LDSQA3D02R159030DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

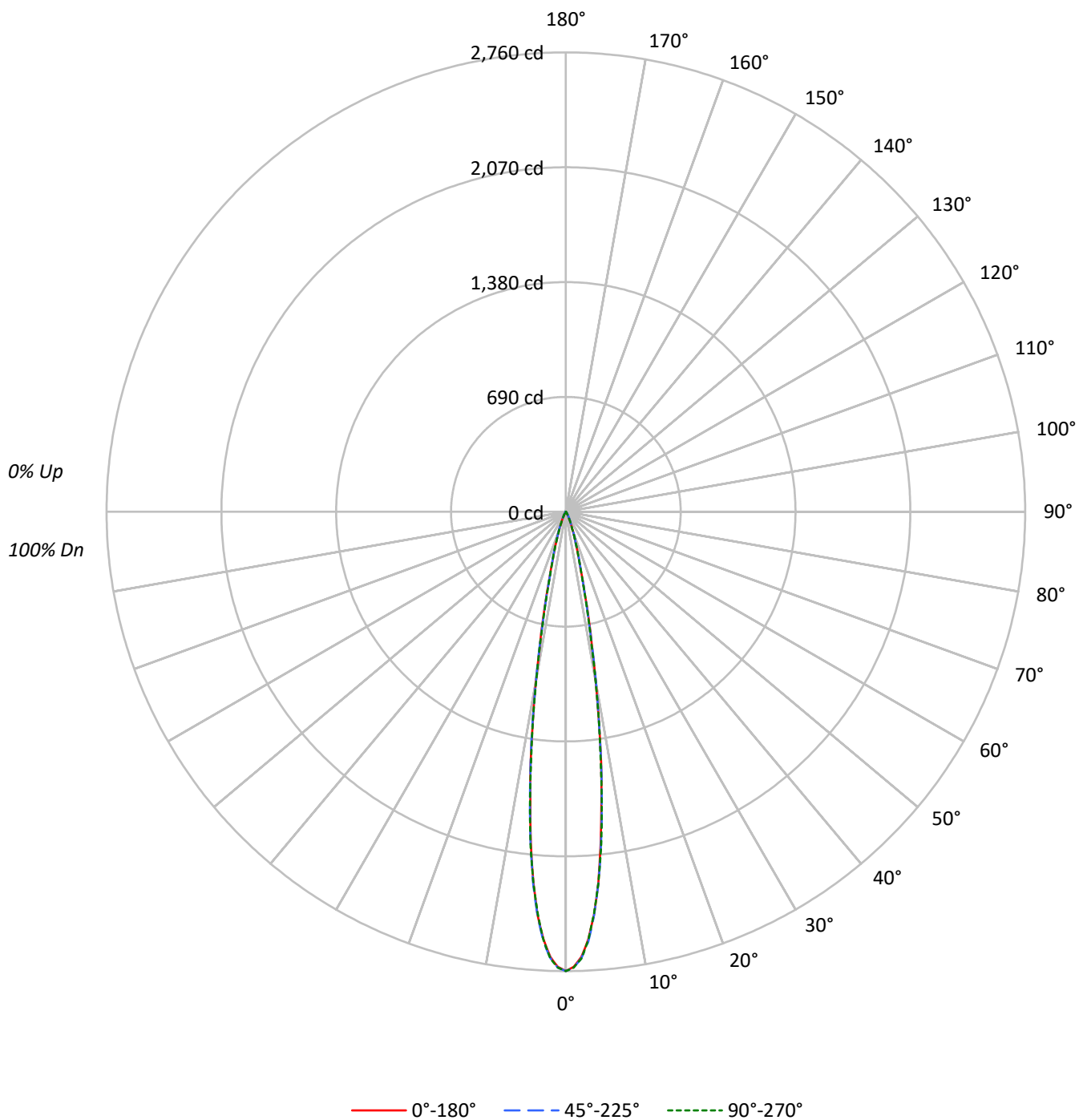
Lumens per Lamp: N/A
Luminaire Lumens: 308.0 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1308703

CATALOG NUMBER: LDSQA3D02R159030DE010 3LSQCDR1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1308703

CATALOG NUMBER: LDSQA3D02R159030DE010 3LSQCDR1MB

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	92	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°	475283	475283	475283
5°	386958	388220	387477
10°	180511	182137	179829
15°	56681	57162	56806
20°	22451	23349	21736
25°	9064	10965	8741
30°	3639	4992	3440
35°	1072	2208	1030
40°	337	832	270
45°	49	170	49
50°	0	54	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: 170 cd/sqm

TEST NUMBER: P1308703

CATALOG NUMBER: LDSQA3D02R159030DE010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.8	56.1
10°-20°	103.3	33.6
20°-30°	26.1	8.5
30°-40°	5.3	1.7
40°-50°	0.5	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°	302.2	98.1
0°-40°	307.5	99.8
0°-60°	308.0	100.0
0°-90°	308.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	308.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2760	2760	2760	2760	2760	
5°	2238	2234	2246	2240	2241	172
15°	318	321	321	316	319	103
25°	48	52	58	51	46	25
35°	5	7	10	7	5	4
45°	0	0	1	0	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	

TEST NUMBER: P1308703

CATALOG NUMBER: LDSQA3D02R159030DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2759.7	2759.7	2759.7	2759.7	2759.7
1°	2734.8	2744.1	2739.2	2743.1	2738.7
2°	2675.6	2688.0	2684.1	2682.9	2686.3
3°	2571.4	2585.7	2585.2	2581.6	2575.7
4°	2429.1	2423.2	2432.3	2431.3	2421.3
5°	2238.3	2234.2	2245.6	2240.0	2241.3
6°	2005.0	2023.0	2019.1	2019.6	2024.2
7°	1754.3	1764.0	1772.3	1779.1	1769.6
8°	1524.1	1521.6	1522.3	1530.1	1503.8
9°	1266.3	1281.4	1271.7	1256.1	1266.1
10°	1032.2	1041.5	1041.5	1027.8	1028.3
11°	822.9	830.5	825.1	828.5	807.1
12°	663.4	644.6	640.2	643.6	643.4
13°	506.5	507.7	506.5	506.2	503.8
14°	397.1	403.4	400.7	394.2	391.2
15°	317.9	320.6	320.6	316.0	318.6
17.5°	191.0	194.2	194.9	191.7	191.7
20°	122.5	124.0	127.4	122.8	118.6
22.5°	75.5	78.7	84.5	77.7	74.3
25°	47.7	52.1	57.7	51.2	46.0
27.5°	30.0	33.6	38.5	32.2	29.0
30°	18.3	20.7	25.1	20.2	17.3
32.5°	10.2	12.2	15.8	11.7	9.7
35°	5.1	6.8	10.5	6.6	4.9
37.5°	2.9	3.7	6.6	3.2	2.7
40°	1.5	1.9	3.7	1.9	1.2
42.5°	0.5	1.0	1.5	1.0	0.5
45°	0.2	0.5	0.7	0.5	0.2
47.5°	0.0	0.0	0.2	0.0	0.0
50°	0.0	0.0	0.2	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: P1308703

CATALOG NUMBER: LDSQA3D02R159030DE010 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)