

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: P1312077

Luminaire Tested: LDSQA3D02R259050DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312077
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R259050DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

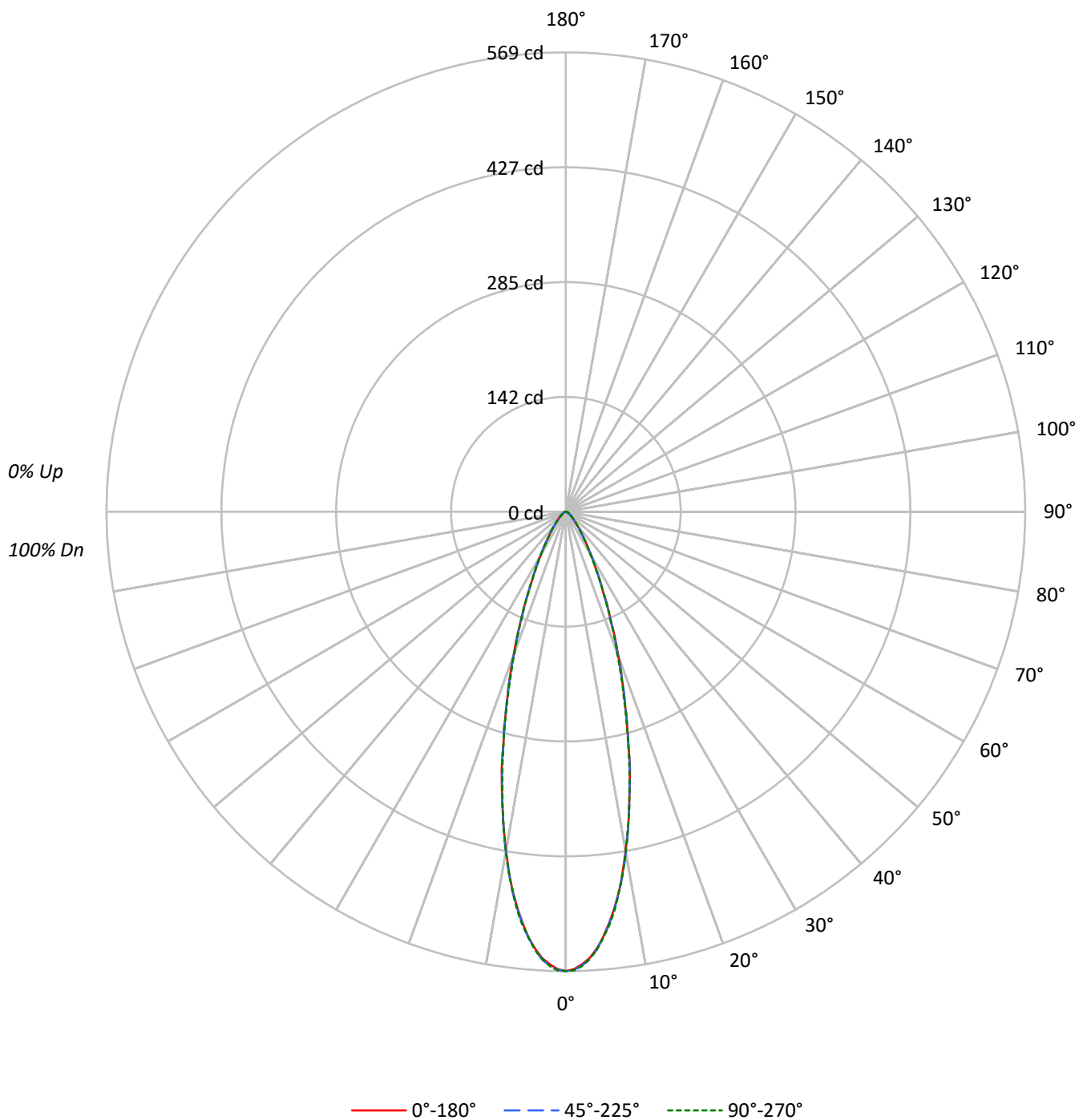
Lumens per Lamp: N/A
Luminaire Lumens: 228.0 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312077

CATALOG NUMBER: LDSQA3D02R259050DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312077

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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	97995	97995	97995
5°	91471	91558	91609
10°	74604	74848	74848
15°	53293	53579	53293
20°	34877	34529	34053
25°	20732	20846	20732
30°	12489	12489	12429
35°	7611	7674	7611
40°	4856	4901	4901
45°	3361	3361	3361
50°	2411	2492	2492
55°	1922	1922	2012
60°	1550	1653	1653
65°	1426	1426	1426
70°	1209	1209	1360
75°	1065	1065	1264
80°	1091	1091	1091
85°	593	593	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3361 cd/sqm

TEST NUMBER: P1312077

CATALOG NUMBER: LDSQA3D02R259050DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.3	20.7
10°-20°	82.4	36.1
20°-30°	51.8	22.7
30°-40°	23.7	10.4
40°-50°	11.1	4.9
50°-60°	6.0	2.6
60°-70°	3.5	1.5
70°-80°	1.8	0.8
80°-90°	0.4	0.2
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°	181.5	79.6
0°-40°	205.2	90.0
0°-60°	222.2	97.5
0°-90°	228.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	228.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	569	569	569	569	569	
5°	529	530	530	530	530	47
15°	299	301	300	301	299	82
25°	109	110	110	110	109	52
35°	36	36	36	36	36	24
45°	14	14	14	14	14	11
55°	6	6	6	7	7	6
65°	4	4	4	4	4	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1312077

CATALOG NUMBER: LDSQA3D02R259050DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	569.0	569.0	569.0	569.0	569.0
1°	566.6	567.2	567.7	568.5	568.2
2°	561.3	562.4	562.6	563.7	563.4
3°	554.1	553.9	556.0	556.0	554.7
4°	542.9	543.5	544.0	544.5	544.8
5°	529.1	530.2	529.6	530.2	529.9
6°	512.1	513.7	513.4	513.9	514.7
7°	494.0	495.0	495.0	494.5	496.6
8°	474.3	473.5	474.8	474.3	474.0
9°	450.9	452.5	452.7	451.4	451.9
10°	426.6	427.7	428.0	428.8	428.0
11°	402.7	402.7	403.2	404.5	402.4
12°	376.6	379.0	376.6	377.7	376.6
13°	351.8	352.4	351.8	351.6	349.7
14°	328.4	326.6	327.1	325.0	325.2
15°	298.9	300.7	300.5	301.0	298.9
17.5°	240.3	241.4	241.1	240.6	237.9
20°	190.3	190.3	188.4	187.4	185.8
22.5°	145.3	144.8	144.0	143.2	143.7
25°	109.1	110.5	109.7	109.7	109.1
27.5°	82.5	84.1	82.8	82.0	82.5
30°	62.8	63.3	62.8	62.5	62.5
32.5°	47.4	47.6	47.4	47.4	47.4
35°	36.2	36.2	36.5	36.5	36.2
37.5°	27.9	27.9	27.9	27.9	28.2
40°	21.6	21.8	21.8	21.8	21.8
42.5°	17.0	17.3	17.3	17.3	17.3
45°	13.8	13.8	13.8	13.8	13.8
47.5°	11.2	11.2	11.2	11.2	11.4
50°	9.0	9.3	9.3	9.3	9.3
52.5°	7.7	7.7	7.7	7.7	7.7
55°	6.4	6.4	6.4	6.7	6.7
57.5°	5.3	5.3	5.6	5.6	5.6
60°	4.5	4.8	4.8	4.8	4.8
62.5°	4.0	4.0	4.3	4.3	4.3
65°	3.5	3.5	3.5	3.5	3.5
67.5°	2.9	2.9	2.9	2.9	3.2
70°	2.4	2.4	2.4	2.7	2.7
72.5°	2.1	2.1	2.1	2.1	2.1
75°	1.6	1.6	1.6	1.9	1.9
77.5°	1.3	1.3	1.3	1.3	1.3
80°	1.1	1.1	1.1	1.1	1.1
82.5°	0.5	0.5	0.8	0.8	0.8
85°	0.3	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1312077

CATALOG NUMBER: LDSQA3D02R259050DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)