

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: P1313245

Luminaire Tested: LDSQA3D02R559727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313245
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R559727DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

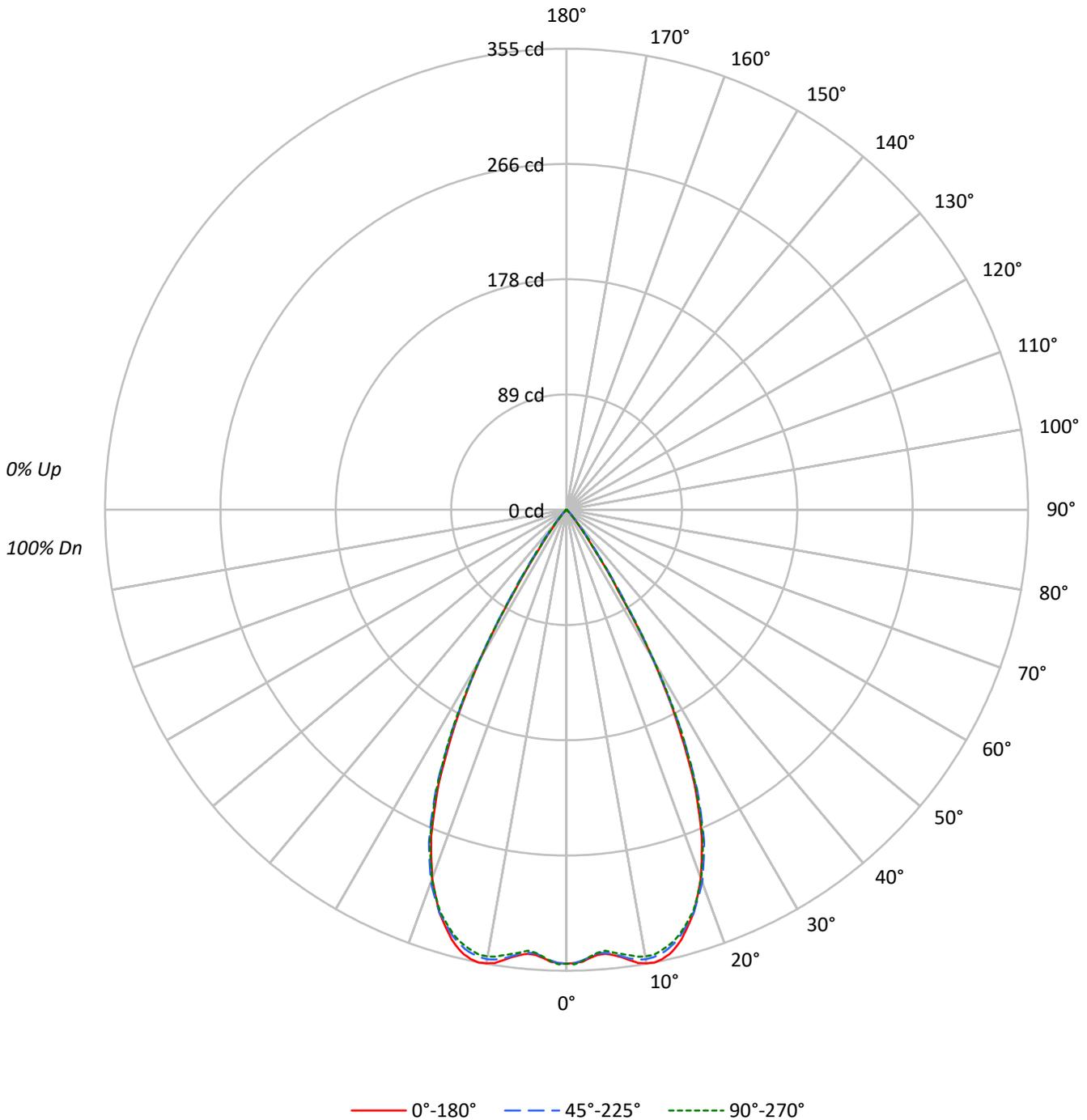
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 268.0 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
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 (A_{in}): 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: P1313245
CATALOG NUMBER: LDSQA3D02R559727DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1313245

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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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	80	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	60192	60192	60192
5°	59333	59229	58935
10°	62012	61470	61085
15°	61031	60497	60247
20°	55349	55917	55496
25°	44257	45188	44770
30°	26549	26549	26867
35°	7674	9083	7926
40°	2203	2968	2203
45°	487	1145	487
50°	214	375	161
55°	180	180	180
60°	207	207	207
65°	163	163	163
70°	201	201	201
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1145 cd/sqm



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CATALOG NUMBER: LDSQA3D02R559727DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.1	12.4
10°-20°	94.4	35.2
20°-30°	104.1	38.8
30°-40°	31.8	11.9
40°-50°	3.1	1.2
50°-60°	0.6	0.2
60°-70°	0.5	0.2
70°-80°	0.3	0.1
80°-90°	0.1	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°	231.6	86.4
0°-40°	263.5	98.3
0°-60°	267.2	99.7
0°-90°	268.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	268.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	350	350	350	350	350	
5°	343	343	343	342	341	33
15°	342	342	339	338	338	95
25°	233	235	238	240	236	103
35°	36	38	43	40	38	30
45°	2	3	5	3	2	2
55°	1	1	1	1	1	1
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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	349.5	349.5	349.5	349.5	349.5
1°	349.1	349.3	349.1	348.7	350.1
2°	348.3	348.1	347.4	347.2	347.8
3°	345.6	345.6	344.8	344.4	344.6
4°	343.6	343.6	342.3	341.9	342.1
5°	343.2	343.2	342.6	341.5	340.9
6°	344.8	345.2	343.8	342.8	342.8
7°	347.2	347.4	346.4	345.0	344.6
8°	350.3	350.5	348.9	347.2	346.4
9°	353.4	352.9	350.7	349.1	348.5
10°	354.6	354.4	351.5	349.9	349.3
11°	355.2	354.2	350.9	349.5	349.3
12°	353.8	352.9	349.5	348.1	347.4
13°	351.3	350.1	347.2	345.8	345.0
14°	347.4	346.2	343.6	341.9	342.1
15°	342.3	341.7	339.3	337.9	337.9
17.5°	325.4	325.8	325.2	324.6	324.2
20°	302.0	303.6	305.1	304.2	302.8
22.5°	272.0	274.9	276.5	276.9	274.3
25°	232.9	235.2	237.8	240.1	235.6
27.5°	184.2	186.3	188.7	190.1	189.5
30°	133.5	133.7	133.5	136.1	135.1
32.5°	74.2	80.3	81.3	83.1	76.6
35°	36.5	38.3	43.2	39.7	37.7
37.5°	17.5	18.7	23.4	19.2	18.3
40°	9.8	10.6	13.2	11.0	9.8
42.5°	4.7	6.1	7.1	6.3	4.7
45°	2.0	3.1	4.7	3.1	2.0
47.5°	0.8	1.2	2.9	1.2	0.8
50°	0.8	0.6	1.4	0.6	0.6
52.5°	0.6	0.6	0.8	0.6	0.6
55°	0.6	0.6	0.6	0.6	0.6
57.5°	0.6	0.6	0.6	0.6	0.6
60°	0.6	0.6	0.6	0.6	0.6
62.5°	0.4	0.6	0.6	0.6	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.2	0.4	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2
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: P1313245
CATALOG NUMBER: LDSQA3D02R559727DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)