

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: P1307705

Luminaire Tested: LDSQA3D02R609027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R609027DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

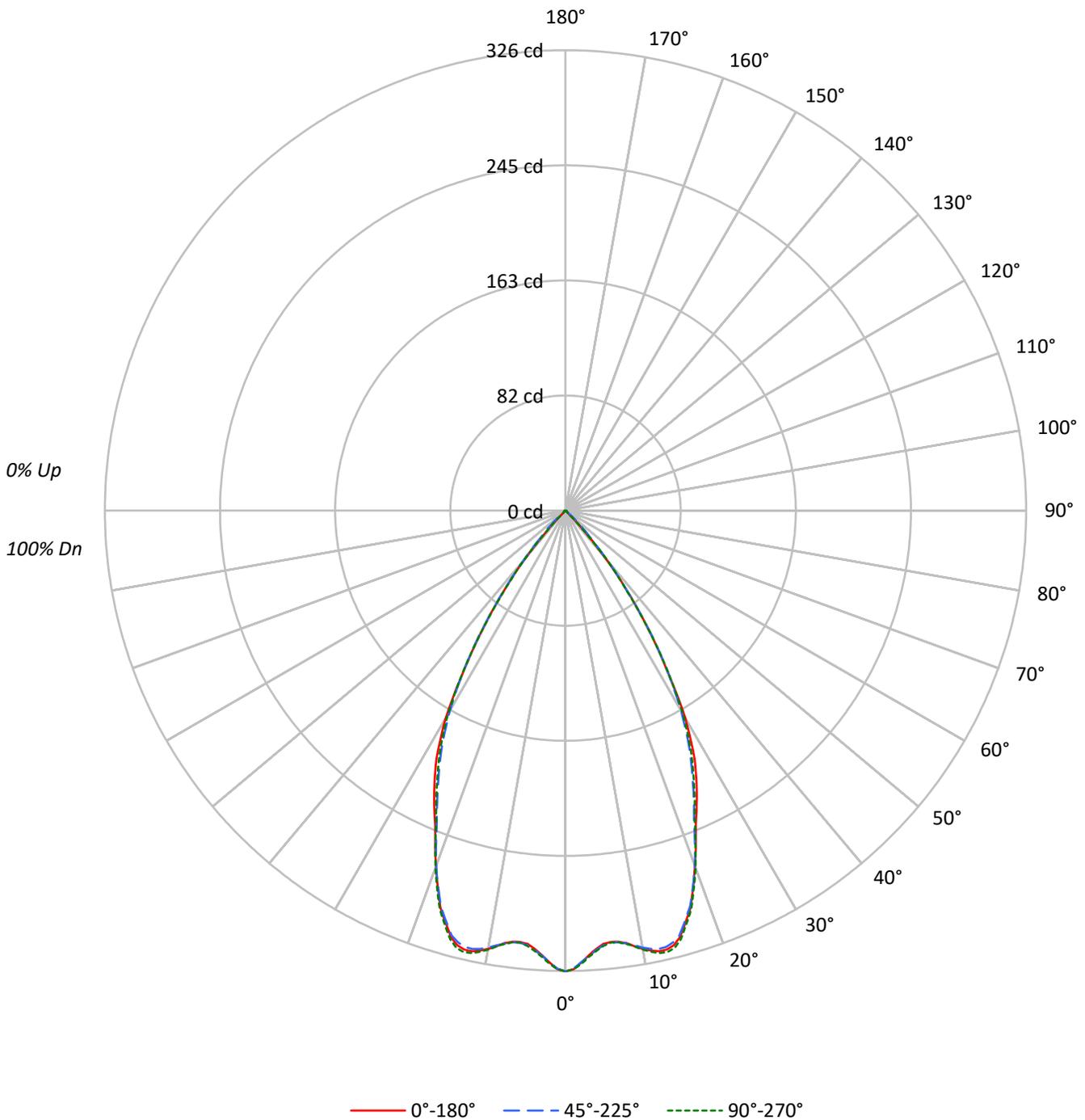
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 291.0 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9
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: P1307705
CATALOG NUMBER: LDSQA3D02R609027DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1307705

CATALOG NUMBER: LDSQA3D02R609027DE010 3LSQCDR1MW

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	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	95	95	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	83	83	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	78	78	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	73	73	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	68	68	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	64	64	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	60	60	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	56	56	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	53	53	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	56196	56196	56196
5°	53247	53403	53489
10°	55105	54947	55227
15°	55772	55540	56093
20°	49118	49063	49319
25°	41787	40590	40932
30°	33728	32554	33091
35°	21340	21550	21298
40°	9982	10387	10139
45°	609	3653	731
50°	295	857	295
55°	330	330	330
60°	310	310	310
65°	285	367	285
70°	352	352	352
75°	333	333	333
80°	198	198	198
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3653 cd/sqm



TEST NUMBER: P1307705

CATALOG NUMBER: LDSQA3D02R609027DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.7	10.2
10°-20°	85.6	29.4
20°-30°	98.7	33.9
30°-40°	63.4	21.8
40°-50°	11.0	3.8
50°-60°	1.0	0.4
60°-70°	0.8	0.3
70°-80°	0.5	0.2
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°	214.1	73.6
0°-40°	277.5	95.4
0°-60°	289.5	99.5
0°-90°	291.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	291.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	326	326	326	326	326	
5°	308	309	309	310	309	30
15°	313	312	312	314	315	86
25°	220	217	214	214	215	100
35°	102	101	102	100	101	63
45°	2	8	15	9	3	8
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1307705

CATALOG NUMBER: LDSQA3D02R609027DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	326.3	326.3	326.3	326.3	326.3
1°	324.9	324.7	324.4	324.7	324.9
2°	320.3	320.1	319.9	320.8	321.2
3°	315.3	315.6	315.8	316.2	316.5
4°	311.2	311.7	311.9	312.4	312.6
5°	308.0	308.7	308.9	309.6	309.4
6°	307.1	307.6	307.8	308.0	307.6
7°	307.6	307.8	308.0	308.5	308.0
8°	309.2	309.4	309.6	309.9	309.9
9°	312.4	311.9	311.7	312.6	312.4
10°	315.1	314.4	314.2	315.6	315.8
11°	317.4	316.5	316.2	317.8	318.3
12°	319.0	317.6	317.4	319.4	320.3
13°	319.0	317.1	317.1	319.4	320.8
14°	317.1	315.1	315.1	317.6	319.2
15°	312.8	311.7	311.5	313.5	314.6
17.5°	294.6	293.2	293.5	295.7	296.0
20°	268.0	267.3	267.7	268.2	269.1
22.5°	240.9	240.4	237.9	238.6	239.1
25°	219.9	217.4	213.6	213.8	215.4
27.5°	197.8	195.3	189.9	191.0	192.6
30°	169.6	167.6	163.7	164.4	166.4
32.5°	133.2	137.3	133.6	134.8	134.1
35°	101.5	100.9	102.5	100.4	101.3
37.5°	71.5	71.7	72.4	70.6	70.6
40°	44.4	45.5	46.2	45.3	45.1
42.5°	18.7	25.5	26.9	25.5	18.9
45°	2.5	7.5	15.0	8.9	3.0
47.5°	1.1	1.6	8.0	1.6	1.1
50°	1.1	1.1	3.2	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.7	0.9	0.9	0.9	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1307705
CATALOG NUMBER: LDSQA3D02R609027DE010 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)