

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: P1318855

Luminaire Tested: LDSQA3D02R559835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318855
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: LDSQA3D02R559835DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

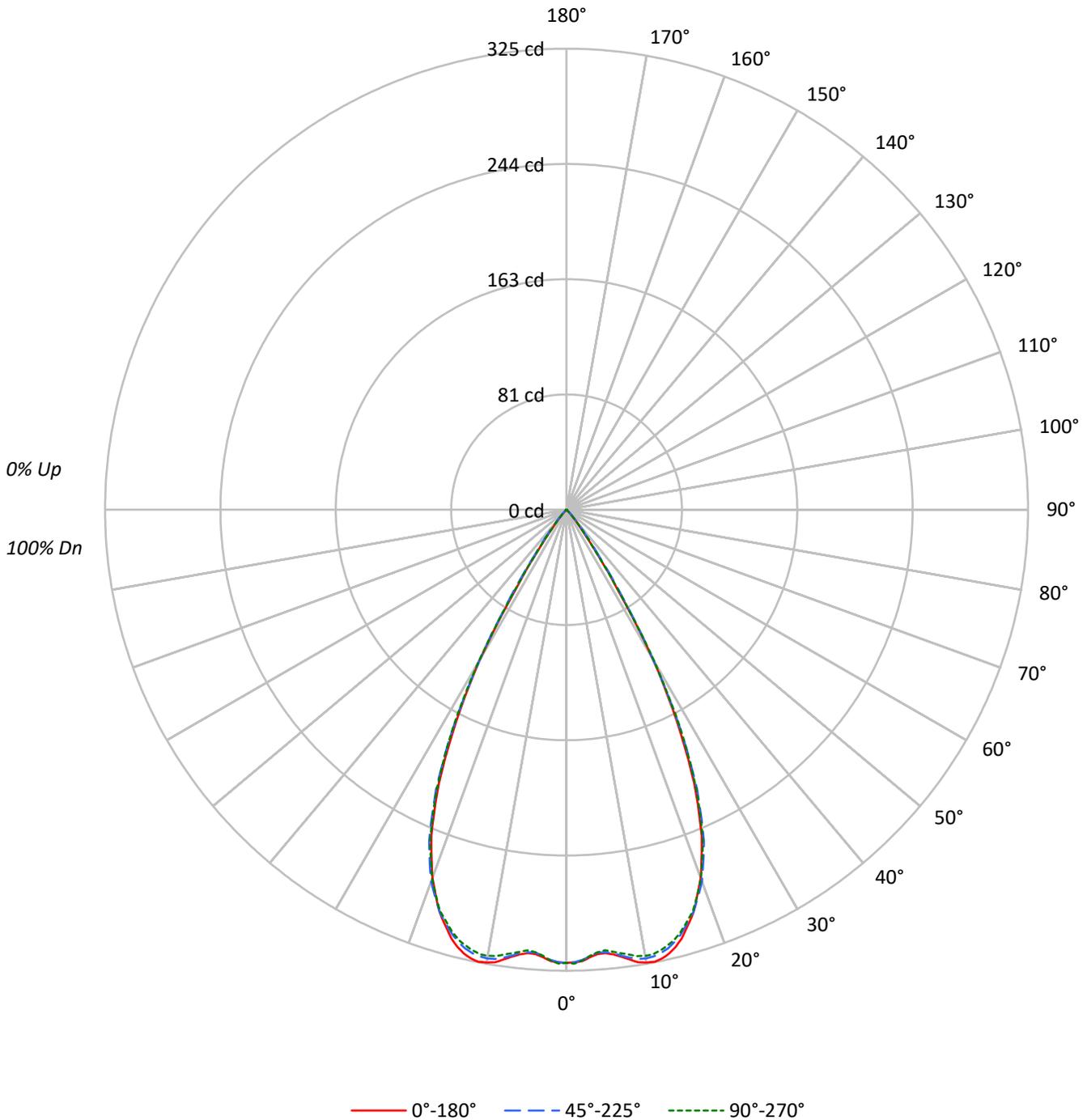
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 245.1 lumens
Efficiency: N/A
Efficacy: 68.1 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: P1318855
CATALOG NUMBER: LDSQA3D02R559835DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1318855

CATALOG NUMBER: LDSQA3D02R559835DE010 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	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	85	85	85	85	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	79	76	73	78	75	72	72	72	72	71
7	87	79	73	69	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°	55025	55025	55025
5°	54233	54146	53887
10°	56678	56189	55839
15°	55807	55308	55076
20°	50602	51116	50731
25°	40457	41312	40932
30°	24262	24262	24560
35°	7001	8305	7253
40°	2001	2720	2001
45°	463	1047	463
50°	188	348	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: 1047 cd/sqm



TEST NUMBER: P1318855

CATALOG NUMBER: LDSQA3D02R559835DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.3	12.4
10°-20°	86.3	35.2
20°-30°	95.1	38.8
30°-40°	29.1	11.9
40°-50°	2.9	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°	211.8	86.4
0°-40°	240.8	98.3
0°-60°	244.3	99.7
0°-90°	245.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	245.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	320	320	320	320	320	
5°	314	314	313	312	312	30
15°	313	312	310	309	309	87
25°	213	215	217	219	215	94
35°	33	35	40	36	34	27
45°	2	3	4	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



TEST NUMBER: P1318855
 CATALOG NUMBER: LDSQA3D02R559835DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	319.5	319.5	319.5	319.5	319.5
1°	319.1	319.3	319.1	318.7	320.0
2°	318.4	318.2	317.6	317.4	318.0
3°	315.9	315.9	315.2	314.8	315.0
4°	314.1	314.1	313.0	312.6	312.8
5°	313.7	313.7	313.2	312.2	311.7
6°	315.2	315.6	314.3	313.3	313.3
7°	317.4	317.6	316.7	315.4	315.0
8°	320.2	320.4	318.9	317.4	316.7
9°	323.0	322.7	320.6	319.1	318.6
10°	324.1	324.0	321.3	319.9	319.3
11°	324.7	323.8	320.8	319.5	319.3
12°	323.4	322.7	319.5	318.2	317.6
13°	321.2	320.0	317.4	316.1	315.4
14°	317.6	316.5	314.1	312.6	312.8
15°	313.0	312.4	310.2	308.9	308.9
17.5°	297.5	297.9	297.3	296.8	296.4
20°	276.1	277.6	278.9	278.1	276.8
22.5°	248.7	251.3	252.8	253.2	250.7
25°	212.9	215.0	217.4	219.4	215.4
27.5°	168.4	170.3	172.5	173.8	173.2
30°	122.0	122.2	122.0	124.4	123.5
32.5°	67.8	73.4	74.3	76.0	70.0
35°	33.3	35.0	39.5	36.3	34.5
37.5°	16.0	17.1	21.4	17.5	16.8
40°	8.9	9.7	12.1	10.1	8.9
42.5°	4.3	5.6	6.5	5.8	4.3
45°	1.9	2.8	4.3	2.8	1.9
47.5°	0.7	1.1	2.6	1.1	0.7
50°	0.7	0.6	1.3	0.6	0.6
52.5°	0.6	0.6	0.7	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: P1318855
CATALOG NUMBER: LDSQA3D02R559835DE010 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)