

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: P1307519

Luminaire Tested: LDSQA3D20R559024D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307519
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R559024D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

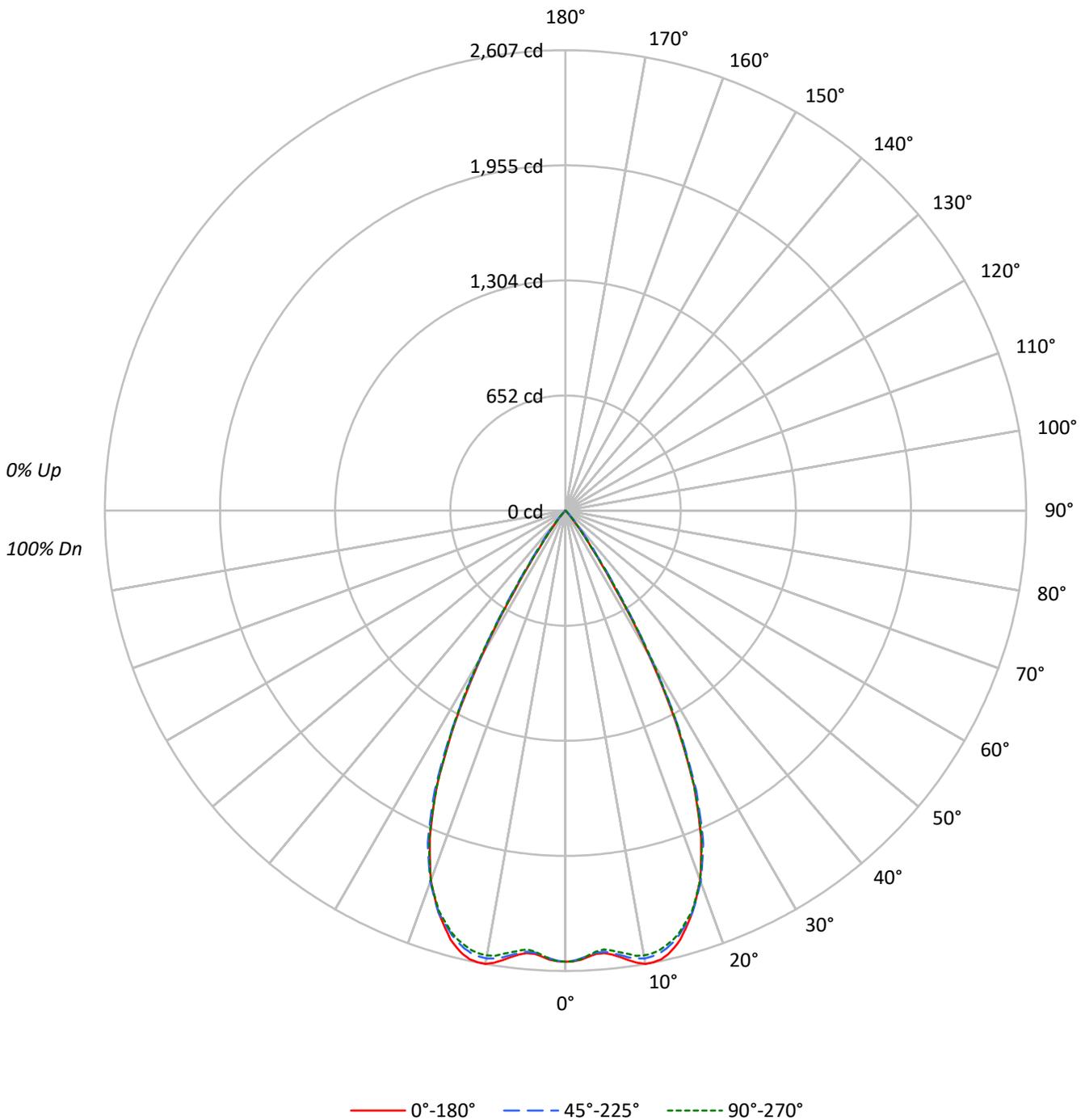
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1942.0 lumens
Efficiency: N/A
Efficacy: 67.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1307519
CATALOG NUMBER: LDSQA3D20R559024D010 3LSQCDR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1307519

CATALOG NUMBER: LDSQA3D20R559024D010 3LSQCDR1MMS

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	112	109	107	112	109	107	106	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	93	91	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	439926	439926	439926
5°	434898	433619	431302
10°	455841	450367	447237
15°	448259	443481	441894
20°	408301	409951	408576
25°	327568	332680	327568
30°	188008	192760	194232
35°	53612	64587	55168
40°	13737	19784	14074
45°	1461	6893	1096
50°	0	1206	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: 6893 cd/sqm



TEST NUMBER: P1307519

CATALOG NUMBER: LDSQA3D20R559024D010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.5	12.5
10°-20°	692.1	35.6
20°-30°	762.3	39.3
30°-40°	227.6	11.7
40°-50°	17.5	0.9
50°-60°	0.1	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°	1696.9	87.4
0°-40°	1924.4	99.1
0°-60°	1942.0	100.0
0°-90°	1942.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1942.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2554	2554	2554	2554	2554	
5°	2516	2511	2508	2498	2495	244
15°	2514	2496	2487	2477	2478	697
25°	1724	1724	1751	1748	1724	755
35°	255	271	307	280	262	211
45°	6	15	28	15	4	11
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	0



TEST NUMBER: P1307519

CATALOG NUMBER: LDSQA3D20R559024D010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2554.4	2554.4	2554.4	2554.4	2554.4
1°	2552.9	2552.9	2549.9	2548.4	2552.9
2°	2545.5	2545.5	2538.0	2536.5	2541.0
3°	2529.1	2527.6	2521.6	2517.1	2520.1
4°	2515.6	2512.6	2508.2	2500.7	2502.2
5°	2515.6	2511.2	2508.2	2497.7	2494.8
6°	2527.6	2524.6	2518.6	2508.2	2505.2
7°	2548.4	2542.5	2536.5	2523.1	2520.1
8°	2570.8	2566.3	2554.4	2541.0	2535.0
9°	2593.2	2582.7	2567.8	2554.4	2552.9
10°	2606.6	2591.7	2575.3	2558.9	2557.4
11°	2605.1	2591.7	2572.3	2557.4	2555.9
12°	2599.1	2579.8	2563.3	2545.5	2546.9
13°	2578.3	2560.4	2544.0	2530.5	2527.6
14°	2549.9	2533.5	2518.6	2505.2	2506.7
15°	2514.1	2496.2	2487.3	2476.9	2478.4
17.5°	2387.4	2382.9	2387.4	2375.5	2379.9
20°	2227.8	2223.4	2236.8	2230.8	2229.3
22.5°	2005.6	2011.6	2037.0	2029.5	2016.1
25°	1723.8	1723.8	1750.7	1747.7	1723.8
27.5°	1357.0	1367.4	1383.8	1391.3	1373.4
30°	945.4	969.3	969.3	984.2	976.7
32.5°	527.9	578.6	590.5	598.0	568.1
35°	255.0	271.4	307.2	280.3	262.4
37.5°	122.3	129.7	165.5	134.2	125.3
40°	61.1	70.1	88.0	73.1	62.6
42.5°	25.4	37.3	46.2	37.3	25.4
45°	6.0	14.9	28.3	14.9	4.5
47.5°	0.0	1.5	13.4	3.0	0.0
50°	0.0	0.0	4.5	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: P1307519
CATALOG NUMBER: LDSQA3D20R559024D010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)