

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: P1307520

Luminaire Tested: LDSQA3D20R559024D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307520
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: LDSQA3D20R559024D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

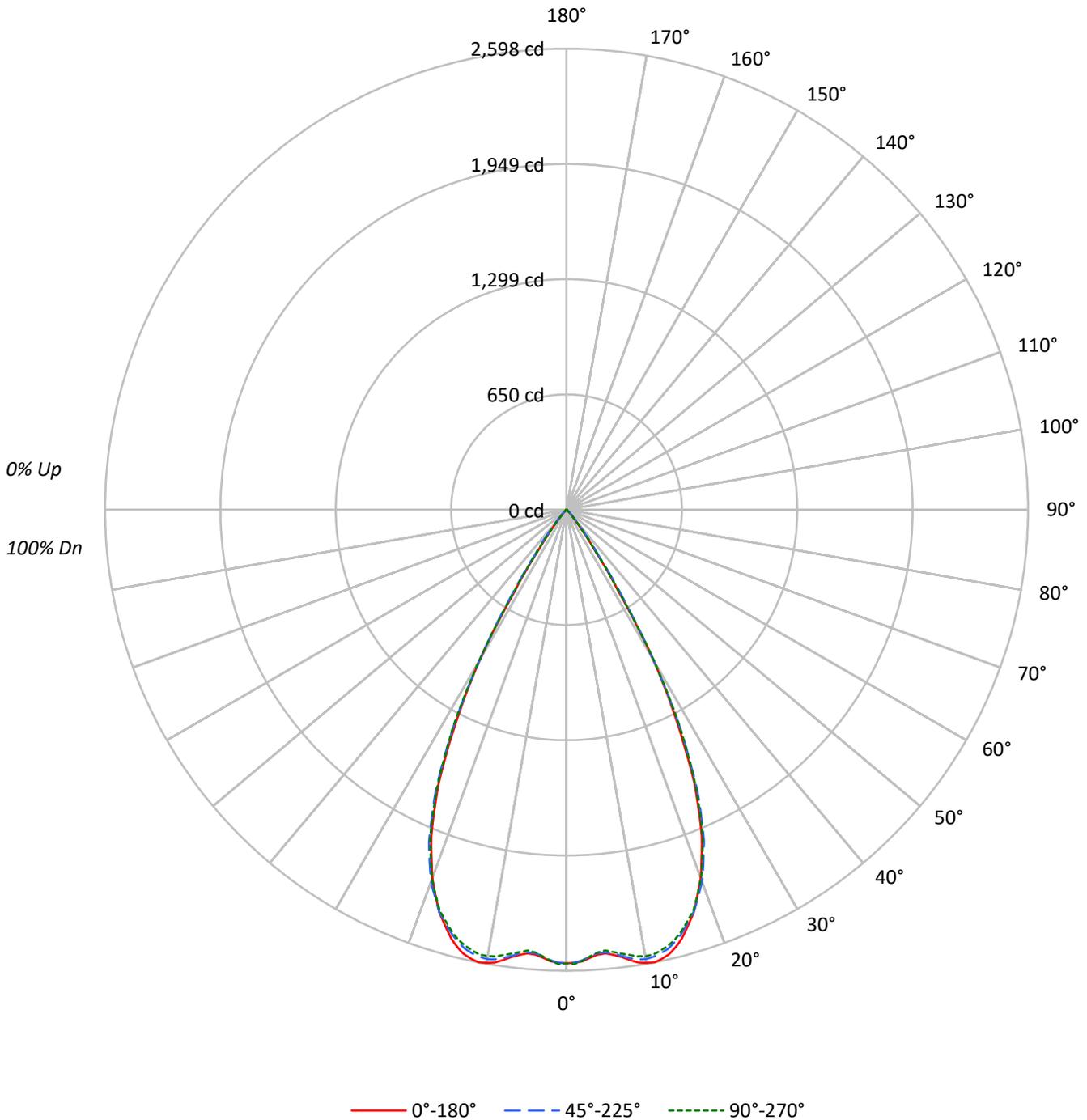
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1960.1 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): 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: P1307520
CATALOG NUMBER: LDSQA3D20R559024D010 3LSQCDR1MW

Luminous Intensity Polar Plot





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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	79	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°	440184	440184	440184
5°	433878	433100	431043
10°	453480	449580	446712
15°	446405	442429	440557
20°	404782	408888	405882
25°	323691	330494	327378
30°	194133	194133	196499
35°	56093	66416	57965
40°	16075	21785	16075
45°	3629	8354	3629
50°	1608	2786	1206
55°	1351	1351	1351
60°	1550	1550	1550
65°	1223	1223	1223
70°	1511	1511	1511
75°	998	998	998
80°	1488	1488	1488
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 8354 cd/sqm



TEST NUMBER: P1307520
 CATALOG NUMBER: LDSQA3D20R559024D010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.3	12.4
10°-20°	690.7	35.2
20°-30°	761.0	38.8
30°-40°	232.8	11.9
40°-50°	23.0	1.2
50°-60°	4.3	0.2
60°-70°	3.4	0.2
70°-80°	1.9	0.1
80°-90°	0.6	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°	1694.0	86.4
0°-40°	1926.8	98.3
0°-60°	1954.1	99.7
0°-90°	1960.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1960.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2556	2556	2556	2556	2556	
5°	2510	2510	2505	2498	2493	243
15°	2504	2499	2481	2471	2471	694
25°	1703	1720	1739	1756	1723	751
35°	267	280	316	291	276	219
45°	15	22	34	22	15	18
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CATALOG NUMBER: LDSQA3D20R559024D010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2555.9	2555.9	2555.9	2555.9	2555.9
1°	2552.9	2554.4	2552.9	2549.9	2560.4
2°	2546.9	2545.5	2541.0	2539.5	2544.0
3°	2527.6	2527.6	2521.6	2518.6	2520.1
4°	2512.7	2512.7	2503.7	2500.7	2502.2
5°	2509.7	2509.7	2505.2	2497.8	2493.3
6°	2521.6	2524.6	2514.2	2506.7	2506.7
7°	2539.5	2541.0	2533.5	2523.1	2520.1
8°	2561.9	2563.3	2551.4	2539.5	2533.5
9°	2584.2	2581.2	2564.8	2552.9	2548.4
10°	2593.1	2591.7	2570.8	2558.9	2554.4
11°	2597.6	2590.2	2566.3	2555.9	2554.4
12°	2587.2	2581.2	2555.9	2545.5	2541.0
13°	2569.3	2560.4	2539.5	2529.1	2523.1
14°	2541.0	2532.0	2512.7	2500.7	2502.2
15°	2503.7	2499.3	2481.4	2470.9	2470.9
17.5°	2380.0	2383.0	2378.5	2374.1	2371.1
20°	2208.6	2220.6	2231.0	2225.0	2214.6
22.5°	1989.6	2010.4	2022.4	2025.3	2006.0
25°	1703.4	1719.8	1739.2	1755.6	1722.8
27.5°	1347.2	1362.1	1380.0	1390.5	1386.0
30°	976.2	977.6	976.2	995.5	988.1
32.5°	542.5	587.2	594.6	608.0	560.4
35°	266.8	280.2	315.9	290.6	275.7
37.5°	128.2	137.1	171.4	140.1	134.1
40°	71.5	77.5	96.9	80.5	71.5
42.5°	34.3	44.7	52.2	46.2	34.3
45°	14.9	22.4	34.3	22.4	14.9
47.5°	6.0	8.9	20.9	8.9	6.0
50°	6.0	4.5	10.4	4.5	4.5
52.5°	4.5	4.5	6.0	4.5	4.5
55°	4.5	4.5	4.5	4.5	4.5
57.5°	4.5	4.5	4.5	4.5	4.5
60°	4.5	4.5	4.5	4.5	4.5
62.5°	3.0	4.5	4.5	4.5	3.0
65°	3.0	3.0	3.0	3.0	3.0
67.5°	3.0	3.0	3.0	3.0	3.0
70°	3.0	3.0	3.0	3.0	3.0
72.5°	1.5	3.0	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)