

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: P1312878

Luminaire Tested: LDSQA3D20R359050D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R359050D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

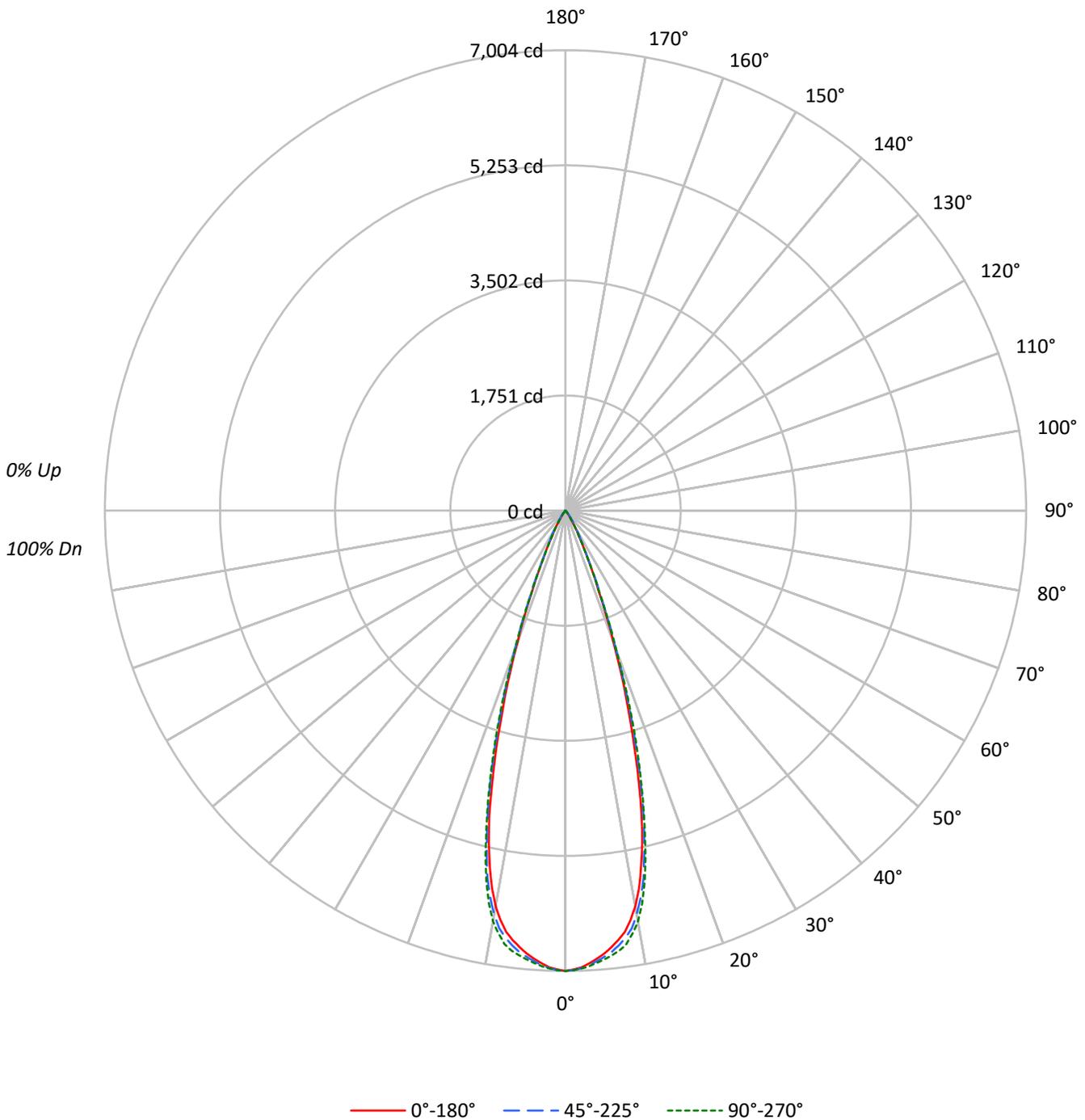
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2332.0 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
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 (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: P1312878
CATALOG NUMBER: LDSQA3D20R359050D010 3LSQCDR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1312878

CATALOG NUMBER: LDSQA3D20R359050D010 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	75
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	73
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1206247	1206247	1206247
5°	1169658	1177973	1184352
10°	1068846	1091458	1110187
15°	768643	802234	808813
20°	391330	410959	411985
25°	148468	151622	147423
30°	57671	66859	56199
35°	19805	31074	18649
40°	6655	12050	6228
45°	438	4043	438
50°	0	482	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: 4043 cd/sqm



TEST NUMBER: P1312878

CATALOG NUMBER: LDSQA3D20R359050D010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	634.0	27.2
10°-20°	1181.2	50.7
20°-30°	424.6	18.2
30°-40°	82.9	3.6
40°-50°	9.2	0.4
50°-60°	0.0	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°	2239.8	96.0
0°-40°	2322.7	99.6
0°-60°	2332.0	100.0
0°-90°	2332.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2332.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7004	7004	7004	7004	7004	
5°	6766	6784	6814	6845	6851	627
15°	4311	4383	4499	4531	4536	1146
25°	781	789	798	792	776	410
35°	94	107	148	109	89	70
45°	2	6	17	6	2	5
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: P1312878

CATALOG NUMBER: LDSQA3D20R359050D010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7004.0	7004.0	7004.0	7004.0	7004.0
1°	6983.7	6992.9	6994.8	7007.7	6992.9
2°	6954.1	6959.7	6967.1	6978.1	6970.8
3°	6896.9	6908.0	6924.6	6939.4	6939.4
4°	6835.9	6850.7	6871.0	6896.9	6895.0
5°	6765.7	6784.2	6813.8	6845.2	6850.7
6°	6677.1	6699.2	6747.3	6791.6	6799.0
7°	6582.9	6616.1	6662.3	6726.9	6743.6
8°	6472.1	6497.9	6564.4	6640.1	6658.6
9°	6309.5	6348.3	6433.3	6503.5	6514.5
10°	6111.9	6139.6	6241.2	6315.1	6348.3
11°	5857.0	5897.6	5997.4	6073.1	6095.3
12°	5531.9	5591.0	5707.4	5762.8	5781.3
13°	5181.0	5230.8	5321.3	5389.7	5404.5
14°	4785.7	4833.7	4927.9	4983.3	4970.4
15°	4311.0	4383.0	4499.4	4530.8	4536.3
17.5°	3184.3	3230.5	3333.9	3383.8	3418.9
20°	2135.2	2179.5	2242.3	2275.6	2247.9
22.5°	1298.5	1335.4	1368.7	1366.8	1357.6
25°	781.3	788.7	797.9	792.4	775.8
27.5°	456.2	476.5	504.2	485.8	458.1
30°	290.0	306.6	336.2	304.8	282.6
32.5°	153.3	193.9	225.3	182.9	160.7
35°	94.2	107.1	147.8	109.0	88.7
37.5°	57.3	66.5	92.4	64.6	51.7
40°	29.6	42.5	53.6	38.8	27.7
42.5°	9.2	20.3	29.6	18.5	9.2
45°	1.8	5.5	16.6	5.5	1.8
47.5°	0.0	0.0	7.4	1.8	0.0
50°	0.0	0.0	1.8	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: P1312878
CATALOG NUMBER: LDSQA3D20R359050D010 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)