

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: P1315965

Luminaire Tested: LDSQA3D20R459735D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315965
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R459735D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

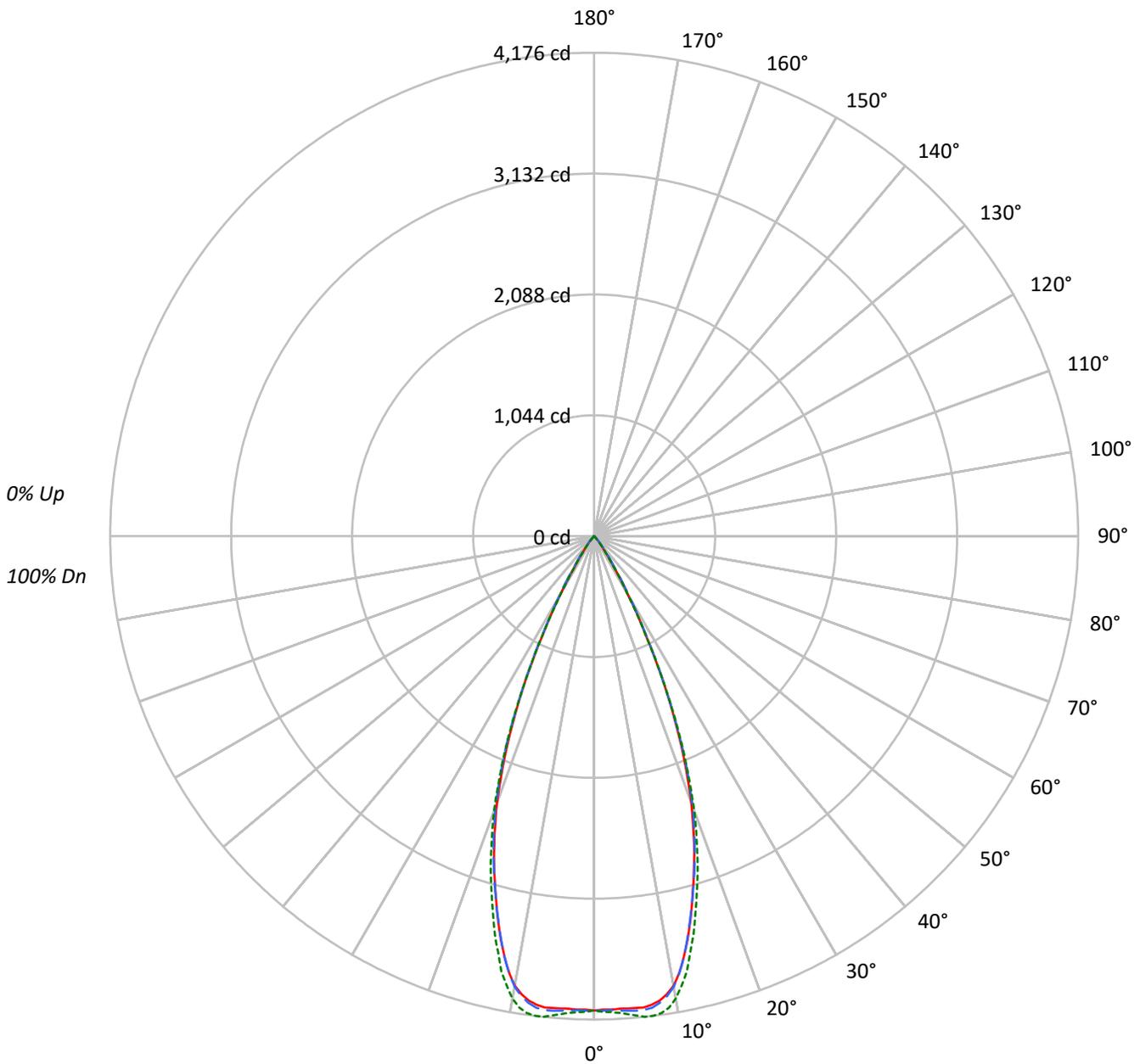
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2119.0 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
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: P1315965
CATALOG NUMBER: LDSQA3D20R459735D010 3LSQCDR1MB

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ··· 90°-270°



TEST NUMBER: P1315965

CATALOG NUMBER: LDSQA3D20R459735D010 3LSQCDR1MB

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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	705854	705854	705854
5°	707462	711542	718630
10°	689760	691124	709311
15°	581911	582196	601292
20°	449190	455550	463046
25°	278674	278959	280764
30°	114964	122163	113075
35°	35763	43710	34438
40°	10971	15220	10274
45°	779	5748	779
50°	0	857	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: 5748 cd/sqm



TEST NUMBER: P1315965

CATALOG NUMBER: LDSQA3D20R459735D010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.1	18.4
10°-20°	907.0	42.8
20°-30°	665.3	31.4
30°-40°	143.0	6.7
40°-50°	13.6	0.6
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°	1962.3	92.6
0°-40°	2105.3	99.4
0°-60°	2119.0	100.0
0°-90°	2119.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2119.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4098	4098	4098	4098	4098	
5°	4092	4103	4116	4144	4157	387
15°	3264	3257	3265	3317	3372	899
25°	1466	1462	1468	1468	1478	658
35°	170	183	208	178	164	134
45°	3	10	24	10	3	8
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: P1315965

CATALOG NUMBER: LDSQA3D20R459735D010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4098.5	4098.5	4098.5	4098.5	4098.5
1°	4090.6	4100.1	4100.1	4106.4	4109.5
2°	4093.8	4100.1	4098.5	4109.5	4114.3
3°	4089.1	4100.1	4103.2	4115.8	4123.7
4°	4090.6	4100.1	4109.5	4128.4	4139.5
5°	4092.2	4103.2	4115.8	4144.2	4156.8
6°	4093.8	4101.7	4115.8	4152.1	4175.7
7°	4078.0	4089.1	4104.8	4150.5	4175.7
8°	4052.8	4059.1	4071.7	4131.6	4161.5
9°	4005.6	4004.0	4022.9	4089.1	4123.7
10°	3944.2	3925.3	3952.0	4018.2	4056.0
11°	3844.9	3824.4	3848.1	3918.9	3955.2
12°	3715.8	3715.8	3720.5	3783.5	3846.5
13°	3578.7	3563.0	3572.4	3643.3	3687.4
14°	3427.5	3411.8	3421.2	3474.8	3544.1
15°	3263.7	3257.4	3265.3	3317.2	3372.4
17.5°	2874.6	2860.5	2888.8	2940.8	2969.1
20°	2450.9	2474.5	2485.6	2518.6	2526.5
22.5°	1964.2	1989.4	2005.2	2009.9	2014.6
25°	1466.5	1461.7	1468.0	1468.0	1477.5
27.5°	964.0	964.0	981.3	970.3	959.3
30°	578.1	601.7	614.3	593.8	568.6
32.5°	315.0	338.7	359.1	329.2	307.2
35°	170.1	182.7	207.9	178.0	163.8
37.5°	92.9	104.0	119.7	100.8	92.9
40°	48.8	59.9	67.7	59.9	45.7
42.5°	15.8	29.9	39.4	29.9	14.2
45°	3.2	9.5	23.6	9.5	3.2
47.5°	0.0	1.6	11.0	1.6	0.0
50°	0.0	0.0	3.2	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: P1315965
CATALOG NUMBER: LDSQA3D20R459735D010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)