

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: P1318691

Luminaire Tested: LDSQA3D20R459830D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318691
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R459830D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

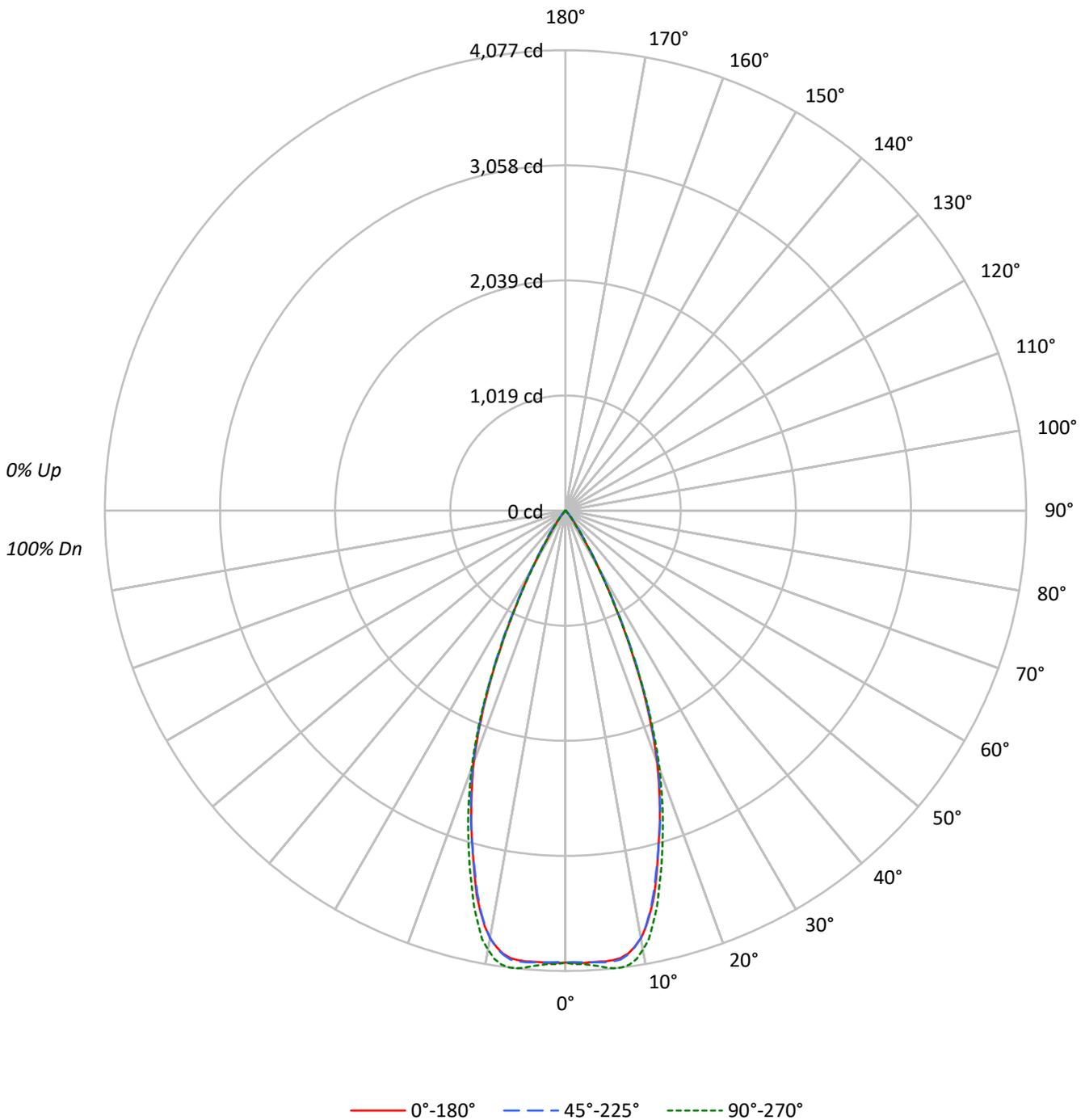
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2072.0 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1318691
CATALOG NUMBER: LDSQA3D20R459830D010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1318691
 CATALOG NUMBER: LDSQA3D20R459830D010 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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	689476	689476	689476
5°	692905	694219	702137
10°	672324	671799	690494
15°	563457	563190	583890
20°	435591	440063	446221
25°	267025	272555	267615
30°	114507	119677	110868
35°	35973	43353	35006
40°	12365	15805	12028
45°	2241	6698	1851
50°	1232	2465	1232
55°	1381	1381	1381
60°	1068	1068	1068
65°	1263	1263	1263
70°	755	755	755
75°	998	998	998
80°	1488	1488	1488
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 6698 cd/sqm



TEST NUMBER: P1318691
 CATALOG NUMBER: LDSQA3D20R459830D010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	380.5	18.4
10°-20°	879.2	42.4
20°-30°	643.7	31.1
30°-40°	142.2	6.9
40°-50°	17.4	0.8
50°-60°	4.1	0.2
60°-70°	3.0	0.1
70°-80°	1.6	0.1
80°-90°	0.2	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°	1903.4	91.9
0°-40°	2045.7	98.7
0°-60°	2067.2	99.8
0°-90°	2072.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2072.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4003	4003	4003	4003	4003	
5°	4008	4005	4016	4045	4061	378
15°	3160	3143	3159	3235	3275	872
25°	1405	1404	1434	1424	1408	636
35°	171	180	206	180	166	135
45°	9	15	28	15	8	12
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1318691
 CATALOG NUMBER: LDSQA3D20R459830D010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4003.4	4003.4	4003.4	4003.4	4003.4
1°	4006.4	4000.3	3998.8	4009.5	4017.1
2°	4009.5	4001.9	4003.4	4014.1	4018.7
3°	4006.4	3998.8	4006.4	4021.7	4027.8
4°	4004.9	4001.9	4009.5	4030.9	4041.6
5°	4008.0	4004.9	4015.6	4044.6	4061.4
6°	4003.4	3998.8	4014.1	4050.7	4075.2
7°	3992.7	3988.1	4004.9	4049.2	4076.7
8°	3963.7	3954.5	3971.3	4026.3	4059.9
9°	3911.7	3899.5	3916.3	3980.5	4020.2
10°	3844.5	3830.8	3841.5	3904.1	3948.4
11°	3748.3	3730.0	3742.2	3809.4	3867.4
12°	3626.1	3600.1	3615.4	3691.8	3733.0
13°	3493.2	3468.8	3471.8	3540.6	3598.6
14°	3328.3	3296.2	3309.9	3381.7	3427.5
15°	3160.2	3143.4	3158.7	3235.1	3274.8
17.5°	2775.3	2773.8	2787.6	2844.1	2865.5
20°	2376.7	2381.3	2401.1	2431.7	2434.7
22.5°	1904.7	1906.2	1927.6	1949.0	1944.4
25°	1405.2	1403.7	1434.3	1423.6	1408.3
27.5°	931.7	937.8	965.3	945.5	930.2
30°	575.8	588.1	601.8	577.4	557.5
32.5°	311.6	331.5	351.3	329.9	310.1
35°	171.1	180.2	206.2	180.2	166.5
37.5°	99.3	103.9	120.7	103.9	94.7
40°	55.0	62.6	70.3	62.6	53.5
42.5°	22.9	35.1	42.8	35.1	22.9
45°	9.2	15.3	27.5	15.3	7.6
47.5°	4.6	6.1	16.8	6.1	4.6
50°	4.6	4.6	9.2	4.6	4.6
52.5°	4.6	4.6	4.6	4.6	4.6
55°	4.6	4.6	4.6	4.6	4.6
57.5°	4.6	4.6	4.6	4.6	4.6
60°	3.1	3.1	3.1	4.6	3.1
62.5°	3.1	3.1	3.1	3.1	3.1
65°	3.1	3.1	3.1	3.1	3.1
67.5°	3.1	3.1	3.1	3.1	3.1
70°	1.5	1.5	1.5	3.1	1.5
72.5°	1.5	1.5	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°	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: P1318691
CATALOG NUMBER: LDSQA3D20R459830D010 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)