

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: P1317814

Luminaire Tested: LDSQA3D20R459827D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317814
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: LDSQA3D20R459827D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

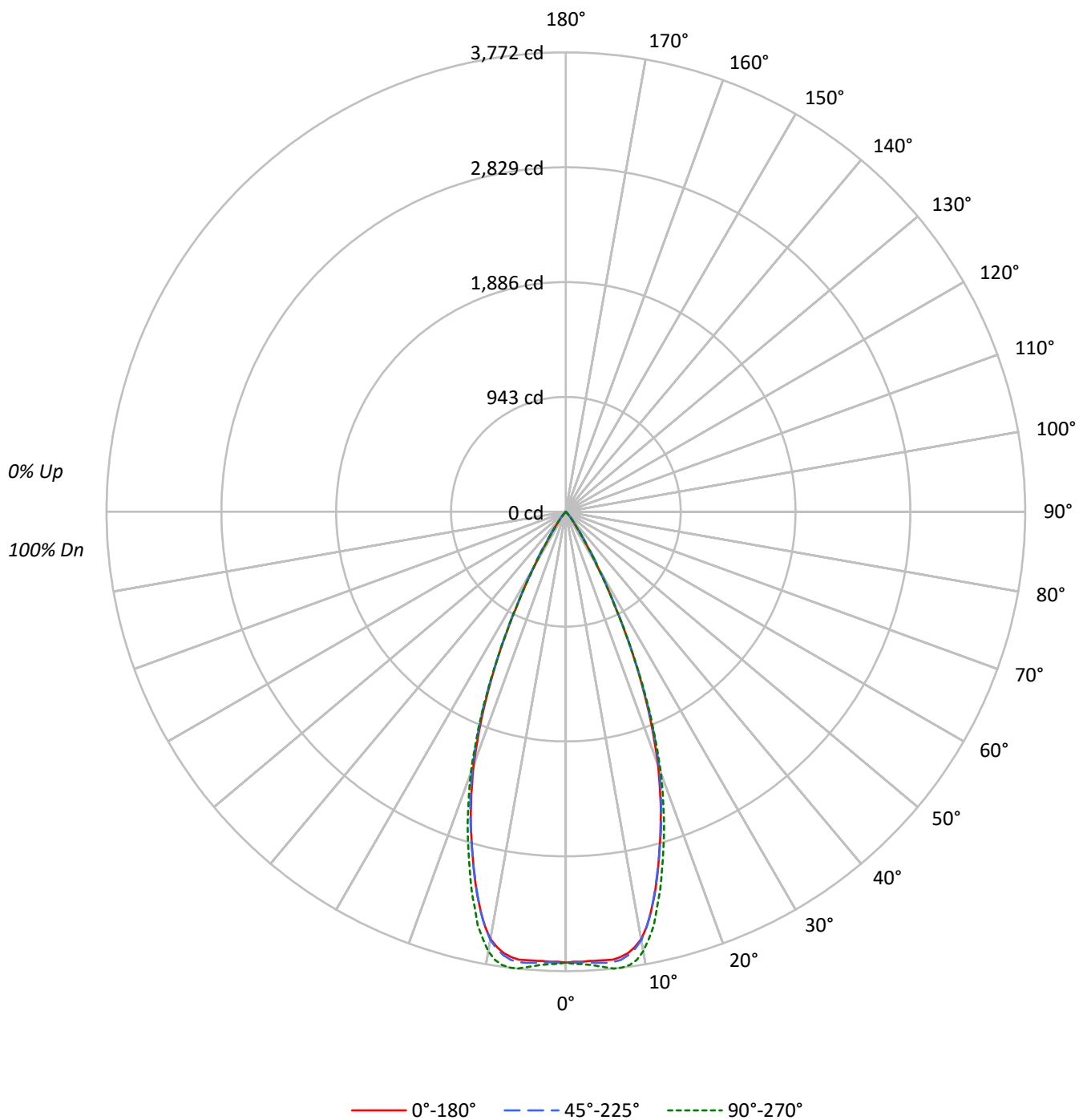
Lumens per Lamp: N/A
Luminaire Lumens: 1914.0 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1317814

CATALOG NUMBER: LDSQA3D20R459827D010 3LSQCDR1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1317814

CATALOG NUMBER: LDSQA3D20R459827D010 3LSQCDR1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	637568	637568	637568
5°	639018	642718	649114
10°	623026	624267	640688
15°	525605	525872	543114
20°	405735	411472	418253
25°	251709	251975	253591
30°	103848	110351	102137
35°	32315	39484	31116
40°	9915	13759	9285
45°	682	5188	682
50°	0	750	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: 5188 cd/sqm

TEST NUMBER: P1317814

CATALOG NUMBER: LDSQA3D20R459827D010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.3	18.4
10°-20°	819.2	42.8
20°-30°	600.9	31.4
30°-40°	129.2	6.7
40°-50°	12.3	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°	1772.5	92.6
0°-40°	1901.6	99.4
0°-60°	1914.0	100.0
0°-90°	1914.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1914.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3702	3702	3702	3702	3702	
5°	3696	3706	3718	3743	3755	350
15°	2948	2942	2949	2996	3046	812
25°	1325	1320	1326	1326	1334	594
35°	154	165	188	161	148	121
45°	3	8	21	8	3	7
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	

TEST NUMBER: P1317814

CATALOG NUMBER: LDSQA3D20R459827D010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3702.0	3702.0	3702.0	3702.0	3702.0
1°	3694.9	3703.4	3703.4	3709.1	3712.0
2°	3697.7	3703.4	3702.0	3712.0	3716.2
3°	3693.5	3703.4	3706.3	3717.7	3724.8
4°	3694.9	3703.4	3712.0	3729.0	3739.0
5°	3696.3	3706.3	3717.7	3743.3	3754.7
6°	3697.7	3704.9	3717.7	3750.4	3771.7
7°	3683.5	3693.5	3707.7	3749.0	3771.7
8°	3660.8	3666.4	3677.8	3731.9	3758.9
9°	3618.1	3616.6	3633.7	3693.5	3724.8
10°	3562.6	3545.5	3569.7	3629.4	3663.6
11°	3472.9	3454.5	3475.8	3539.8	3572.5
12°	3356.3	3356.3	3360.5	3417.5	3474.4
13°	3232.5	3218.3	3226.8	3290.8	3330.7
14°	3095.9	3081.7	3090.2	3138.6	3201.2
15°	2947.9	2942.3	2949.4	2996.3	3046.1
17.5°	2596.5	2583.7	2609.3	2656.3	2681.9
20°	2213.8	2235.1	2245.1	2275.0	2282.1
22.5°	1774.2	1796.9	1811.2	1815.4	1819.7
25°	1324.6	1320.3	1326.0	1326.0	1334.5
27.5°	870.7	870.7	886.4	876.4	866.5
30°	522.2	543.5	554.9	536.4	513.6
32.5°	284.6	305.9	324.4	297.4	277.4
35°	153.7	165.0	187.8	160.8	148.0
37.5°	83.9	93.9	108.1	91.1	83.9
40°	44.1	54.1	61.2	54.1	41.3
42.5°	14.2	27.0	35.6	27.0	12.8
45°	2.8	8.5	21.3	8.5	2.8
47.5°	0.0	1.4	10.0	1.4	0.0
50°	0.0	0.0	2.8	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: P1317814

CATALOG NUMBER: LDSQA3D20R459827D010 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)