

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: P1314022

Luminaire Tested: LDSQA3D20R459727D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314022
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: LDSQA3D20R459727D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

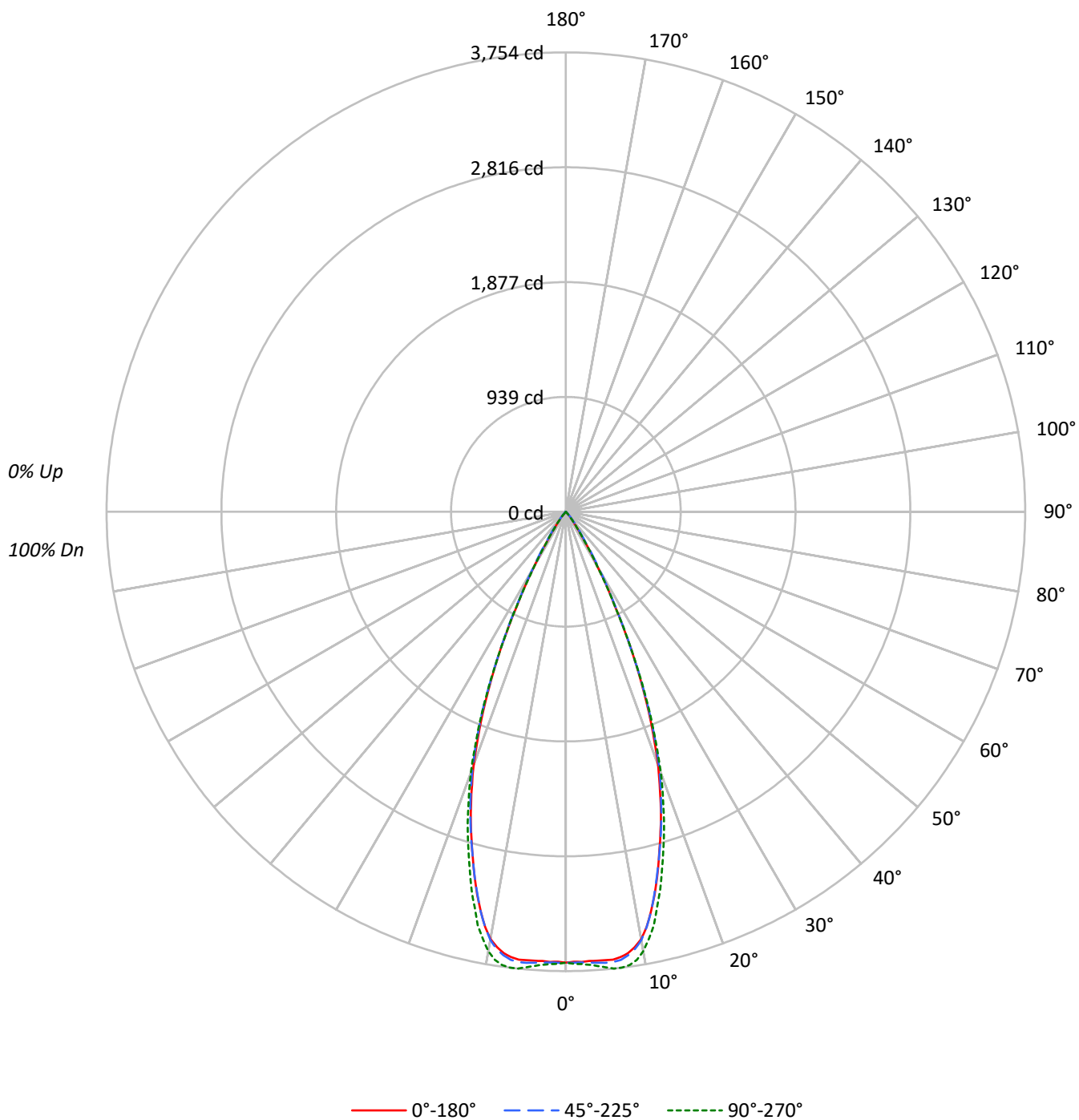
Lumens per Lamp: N/A
Luminaire Lumens: 1905.0 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91	91	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87	87	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83	83	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	79	79	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75	75	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72	72	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66	66	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	64	64	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	634572	634572	634572
5°	636010	639692	646054
10°	620088	621329	637680
15°	523144	523394	540564
20°	403829	409547	416292
25°	250531	250797	252412
30°	103350	109833	101660
35°	32146	39295	30969
40°	9870	13692	9240
45°	682	5163	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: 5163 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.7	18.4
10°-20°	815.4	42.8
20°-30°	598.1	31.4
30°-40°	128.5	6.7
40°-50°	12.2	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°	1764.2	92.6
0°-40°	1892.7	99.4
0°-60°	1905.0	100.0
0°-90°	1905.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1905.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3685	3685	3685	3685	3685	
5°	3679	3689	3700	3726	3737	348
15°	2934	2928	2936	2982	3032	808
25°	1318	1314	1320	1320	1328	591
35°	153	164	187	160	147	120
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3684.6	3684.6	3684.6	3684.6	3684.6
1°	3677.5	3686.0	3686.0	3691.7	3694.5
2°	3680.4	3686.0	3684.6	3694.5	3698.8
3°	3676.1	3686.0	3688.9	3700.2	3707.3
4°	3677.5	3686.0	3694.5	3711.5	3721.4
5°	3678.9	3688.9	3700.2	3725.7	3737.0
6°	3680.4	3687.4	3700.2	3732.7	3754.0
7°	3666.2	3676.1	3690.3	3731.3	3754.0
8°	3643.5	3649.2	3660.5	3714.3	3741.2
9°	3601.1	3599.6	3616.6	3676.1	3707.3
10°	3545.8	3528.8	3552.9	3612.4	3646.4
11°	3456.6	3438.2	3459.4	3523.2	3555.7
12°	3340.5	3340.5	3344.7	3401.4	3458.0
13°	3217.3	3203.1	3211.6	3275.4	3315.0
14°	3081.4	3067.2	3075.7	3123.8	3186.1
15°	2934.1	2928.4	2935.5	2982.2	3031.8
17.5°	2584.3	2571.6	2597.1	2643.8	2669.3
20°	2203.4	2224.6	2234.6	2264.3	2271.4
22.5°	1765.8	1788.5	1802.7	1806.9	1811.1
25°	1318.4	1314.1	1319.8	1319.8	1328.3
27.5°	866.6	866.6	882.2	872.3	862.4
30°	519.7	540.9	552.3	533.9	511.2
32.5°	283.2	304.5	322.9	296.0	276.1
35°	152.9	164.3	186.9	160.0	147.3
37.5°	83.5	93.5	107.6	90.6	83.5
40°	43.9	53.8	60.9	53.8	41.1
42.5°	14.2	26.9	35.4	26.9	12.7
45°	2.8	8.5	21.2	8.5	2.8
47.5°	0.0	1.4	9.9	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



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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)