

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: P1312904

Luminaire Tested: LDSQA3D20R459050D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312904
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: LDSQA3D20R459050D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

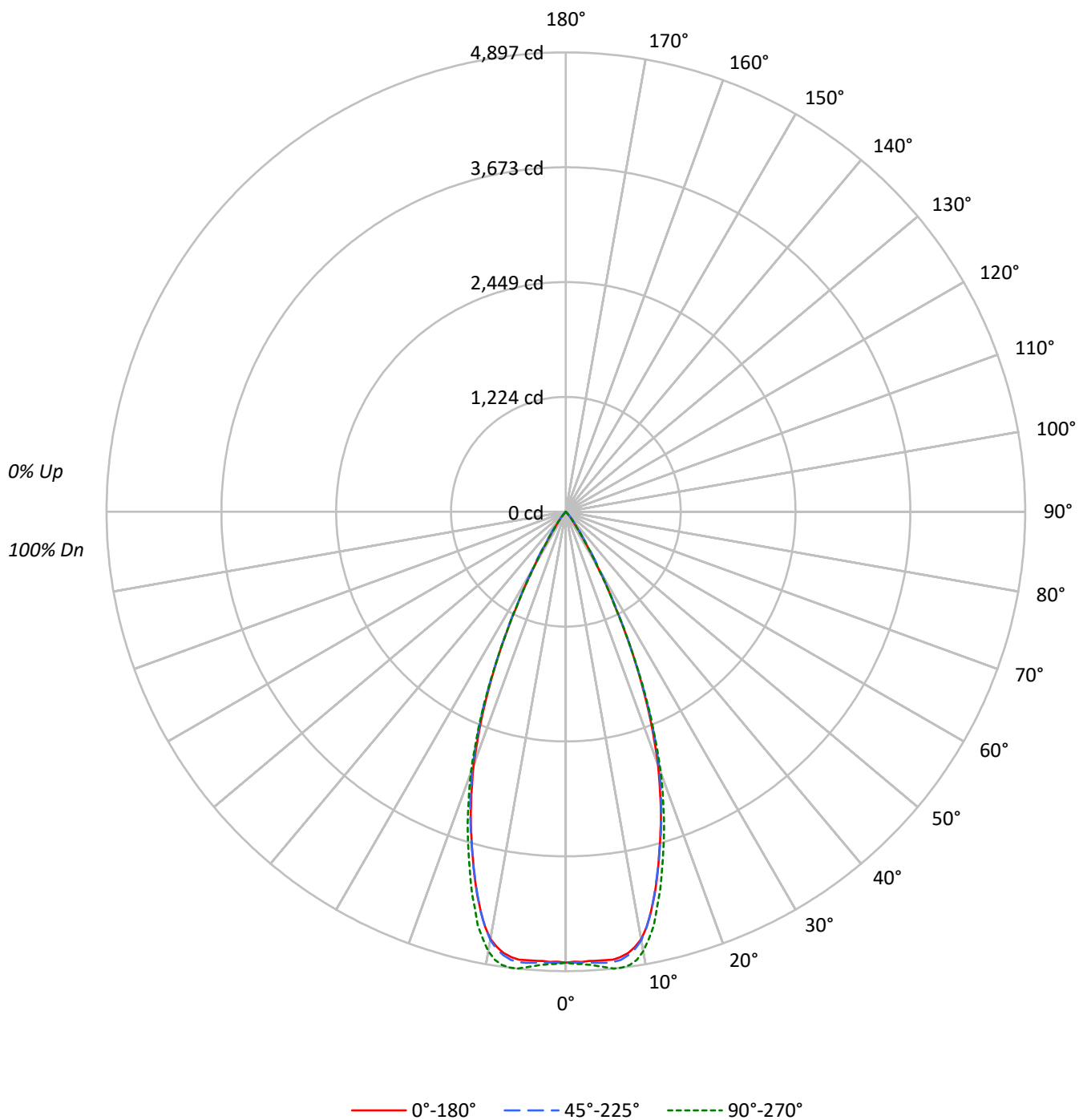
Lumens per Lamp: N/A
Luminaire Lumens: 2485.0 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					10
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°	827771	827771	827771
5°	829654	834442	842758
10°	808887	810496	831814
15°	682418	682757	705151
20°	526770	534230	543027
25°	326789	327150	329259
30°	134811	143263	132604
35°	41944	51258	40388
40°	12882	17851	12050
45°	901	6747	901
50°	0	991	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: 6747 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.4	18.4
10°-20°	1063.6	42.8
20°-30°	780.2	31.4
30°-40°	167.7	6.7
40°-50°	15.9	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°	2301.3	92.6
0°-40°	2468.9	99.4
0°-60°	2485.0	100.0
0°-90°	2485.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2485.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4806	4806	4806	4806	4806	
5°	4799	4812	4827	4860	4875	454
15°	3827	3820	3829	3890	3955	1054
25°	1720	1714	1722	1722	1733	771
35°	200	214	244	209	192	157
45°	4	11	28	11	4	9
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°	4806.4	4806.4	4806.4	4806.4	4806.4
1°	4797.2	4808.3	4808.3	4815.7	4819.4
2°	4800.9	4808.3	4806.4	4819.4	4824.9
3°	4795.3	4808.3	4812.0	4826.7	4836.0
4°	4797.2	4808.3	4819.4	4841.5	4854.5
5°	4799.0	4812.0	4826.7	4860.0	4874.8
6°	4800.9	4810.1	4826.7	4869.2	4896.9
7°	4782.4	4795.3	4813.8	4867.4	4896.9
8°	4752.9	4760.2	4775.0	4845.2	4880.3
9°	4697.4	4695.6	4717.8	4795.3	4836.0
10°	4625.4	4603.2	4634.6	4712.2	4756.5
11°	4509.0	4485.0	4512.7	4595.8	4638.3
12°	4357.6	4357.6	4363.1	4437.0	4510.9
13°	4196.8	4178.4	4189.5	4272.6	4324.3
14°	4019.5	4001.0	4012.1	4074.9	4156.2
15°	3827.4	3820.0	3829.3	3890.2	3954.9
17.5°	3371.1	3354.5	3387.8	3448.7	3482.0
20°	2874.2	2902.0	2914.9	2953.7	2962.9
22.5°	2303.5	2333.0	2351.5	2357.0	2362.6
25°	1719.7	1714.2	1721.6	1721.6	1732.7
27.5°	1130.5	1130.5	1150.8	1137.9	1124.9
30°	677.9	705.6	720.4	696.4	666.8
32.5°	369.4	397.1	421.2	386.1	360.2
35°	199.5	214.3	243.8	208.7	192.1
37.5°	109.0	121.9	140.4	118.2	109.0
40°	57.3	70.2	79.4	70.2	53.6
42.5°	18.5	35.1	46.2	35.1	16.6
45°	3.7	11.1	27.7	11.1	3.7
47.5°	0.0	1.8	12.9	1.8	0.0
50°	0.0	0.0	3.7	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)