

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: P1311827

Luminaire Tested: LDSQA3D20R459040D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311827
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: LDSQA3D20R459040D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

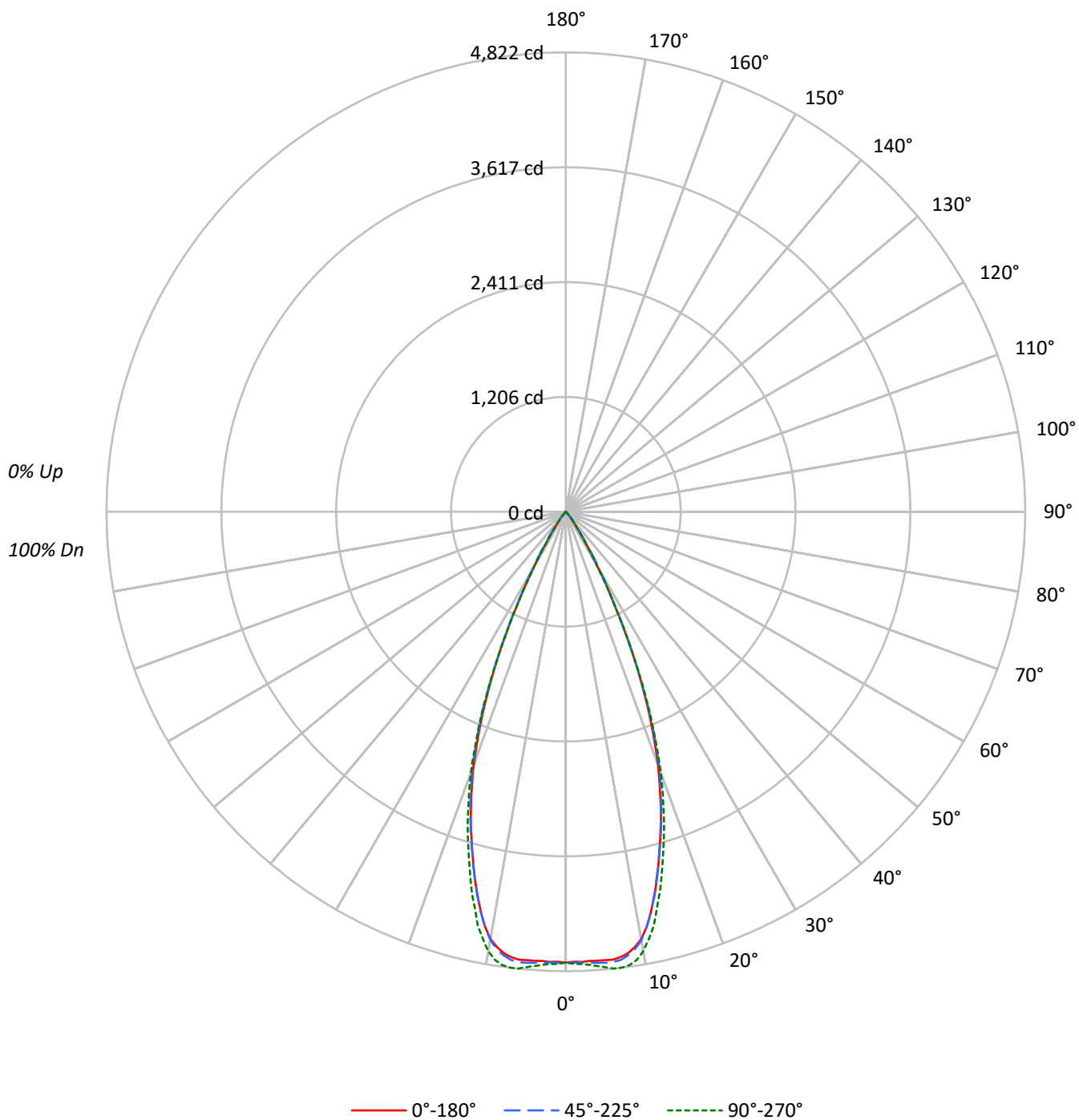
Lumens per Lamp: N/A
Luminaire Lumens: 2447.0 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	815113	815113	815113
5°	816964	821684	829861
10°	796523	798115	819100
15°	671987	672308	694364
20°	518725	526056	534725
25°	321791	322152	324223
30°	132763	141075	130575
35°	41292	50480	39778
40°	12680	17581	11848
45°	877	6649	877
50°	0	965	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: 6649 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.4	18.4
10°-20°	1047.3	42.8
20°-30°	768.3	31.4
30°-40°	165.1	6.7
40°-50°	15.7	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°	2266.1	92.6
0°-40°	2431.2	99.4
0°-60°	2447.0	100.0
0°-90°	2447.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2447.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4733	4733	4733	4733	4733	
5°	4726	4738	4753	4786	4800	447
15°	3769	3762	3771	3831	3894	1038
25°	1693	1688	1695	1695	1706	760
35°	196	211	240	206	189	155
45°	4	11	27	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°	4732.9	4732.9	4732.9	4732.9	4732.9
1°	4723.8	4734.7	4734.7	4742.0	4745.7
2°	4727.5	4734.7	4732.9	4745.7	4751.1
3°	4722.0	4734.7	4738.4	4752.9	4762.0
4°	4723.8	4734.7	4745.7	4767.5	4780.2
5°	4725.6	4738.4	4752.9	4785.7	4800.2
6°	4727.5	4736.6	4752.9	4794.8	4822.1
7°	4709.3	4722.0	4740.2	4793.0	4822.1
8°	4680.2	4687.5	4702.0	4771.1	4805.7
9°	4625.6	4623.8	4645.6	4722.0	4762.0
10°	4554.7	4532.8	4563.8	4640.2	4683.8
11°	4440.1	4416.4	4443.7	4525.6	4567.4
12°	4290.9	4290.9	4296.4	4369.1	4441.9
13°	4132.7	4114.5	4125.4	4207.2	4258.2
14°	3958.0	3939.9	3950.8	4012.6	4092.7
15°	3768.9	3761.6	3770.7	3830.7	3894.4
17.5°	3319.6	3303.2	3336.0	3396.0	3428.7
20°	2830.3	2857.6	2870.3	2908.5	2917.6
22.5°	2268.2	2297.3	2315.5	2321.0	2326.4
25°	1693.4	1688.0	1695.3	1695.3	1706.2
27.5°	1113.2	1113.2	1133.2	1120.5	1107.7
30°	667.6	694.8	709.4	685.7	656.6
32.5°	363.8	391.1	414.7	380.2	354.7
35°	196.4	211.0	240.1	205.5	189.2
37.5°	107.3	120.1	138.2	116.4	107.3
40°	56.4	69.1	78.2	69.1	52.7
42.5°	18.2	34.6	45.5	34.6	16.4
45°	3.6	10.9	27.3	10.9	3.6
47.5°	0.0	1.8	12.7	1.8	0.0
50°	0.0	0.0	3.6	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)