

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: P1317446

Luminaire Tested: LDSQA3D13R209827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317446
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R209827DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

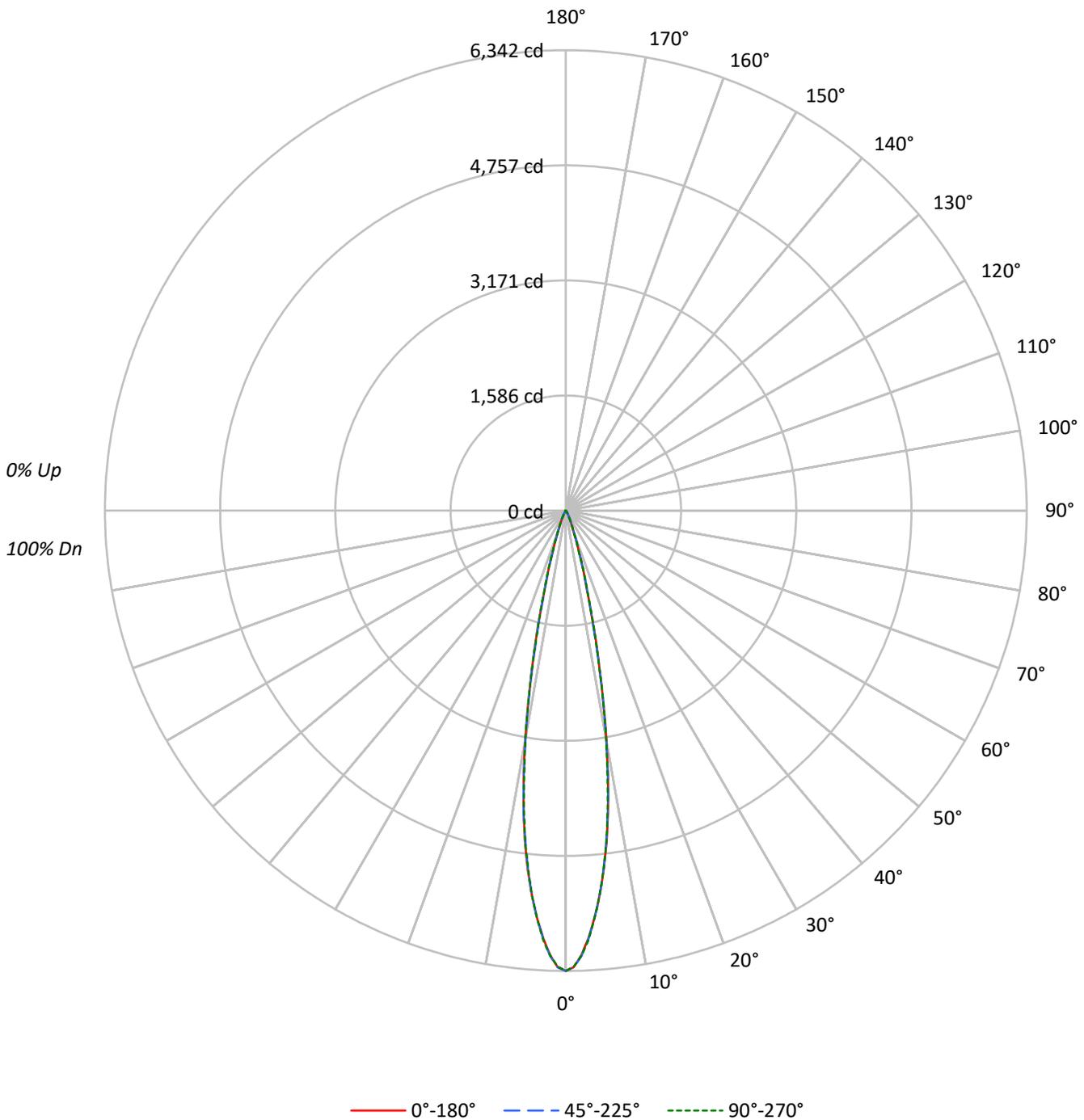
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 874.1 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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

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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			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	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1092288	1092288	1092288
5°	920623	920986	920502
10°	561013	558408	559702
15°	197608	198464	204597
20°	62094	63835	62460
25°	23259	25445	23905
30°	9009	12767	9406
35°	3406	5677	3700
40°	1821	2428	1821
45°	658	1145	828
50°	375	536	375
55°	420	420	420
60°	241	241	241
65°	285	285	285
70°	352	352	352
75°	0	0	466
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1145 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.3	50.4
10°-20°	345.2	39.5
20°-30°	67.8	7.8
30°-40°	15.2	1.7
40°-50°	3.5	0.4
50°-60°	1.1	0.1
60°-70°	0.7	0.1
70°-80°	0.3	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°	853.3	97.6
0°-40°	868.5	99.4
0°-60°	873.1	99.9
0°-90°	874.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	874.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6342	6342	6342	6342	6342	
5°	5325	5330	5327	5346	5324	441
15°	1108	1113	1113	1137	1148	344
25°	122	130	134	132	126	65
35°	16	20	27	20	18	12
45°	3	4	5	4	3	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	1	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°	6342.3	6342.3	6342.3	6342.3	6342.3
1°	6290.9	6277.3	6292.9	6280.7	6283.4
2°	6127.9	6120.5	6140.7	6127.9	6134.7
3°	5901.4	5891.9	5906.8	5907.4	5926.4
4°	5630.9	5612.6	5634.9	5635.6	5639.0
5°	5325.2	5330.0	5327.3	5345.5	5324.5
6°	4981.7	4997.3	4977.0	4987.1	4958.0
7°	4597.6	4578.0	4567.9	4571.2	4591.5
8°	4173.6	4160.1	4175.0	4154.0	4139.8
9°	3702.3	3678.6	3694.9	3674.6	3654.3
10°	3208.0	3197.2	3193.1	3170.1	3200.5
11°	2712.3	2679.9	2696.1	2684.6	2717.7
12°	2248.4	2251.1	2219.3	2229.5	2233.6
13°	1829.8	1786.6	1792.0	1819.7	1824.4
14°	1419.4	1425.5	1427.5	1447.1	1458.6
15°	1108.3	1113.1	1113.1	1137.4	1147.5
17.5°	594.4	594.4	607.2	609.9	611.3
20°	338.8	340.8	348.3	347.6	340.8
22.5°	202.9	206.9	211.0	206.9	202.9
25°	122.4	130.5	133.9	131.9	125.8
27.5°	73.0	81.8	91.3	83.9	72.4
30°	45.3	50.0	64.2	51.4	47.3
32.5°	25.0	32.5	44.0	33.8	25.7
35°	16.2	19.6	27.0	19.6	17.6
37.5°	11.5	13.5	16.9	14.2	12.2
40°	8.1	9.5	10.8	10.1	8.1
42.5°	5.4	6.8	7.4	6.8	5.4
45°	2.7	4.1	4.7	4.1	3.4
47.5°	1.4	2.0	3.4	2.0	1.4
50°	1.4	1.4	2.0	1.4	1.4
52.5°	1.4	1.4	1.4	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	0.7	1.4	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.7
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)