

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: P1316862

Luminaire Tested: LDSQA3D20R209740D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316862
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: LDSQA3D20R209740D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

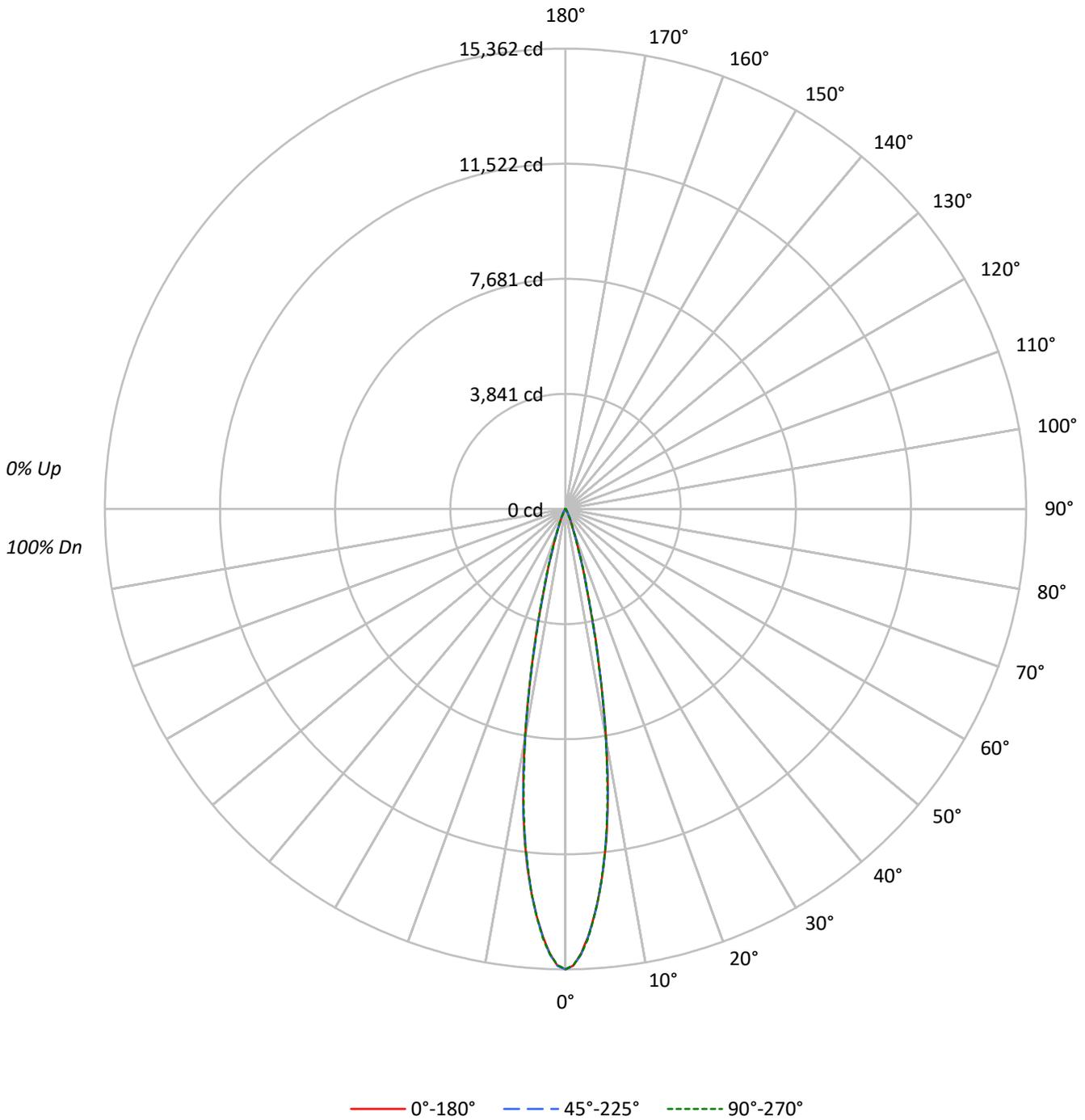
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2117.0 lumens
Efficiency: N/A
Efficacy: 73.5 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): 28.8
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	98
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	87
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	88	85	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2645719	2645719	2645719
5°	2229934	2230781	2229657
10°	1358883	1352570	1355718
15°	478659	480691	495597
20°	150396	154593	151294
25°	56343	61626	57901
30°	21816	30943	22810
35°	8263	13771	8956
40°	4429	5890	4429
45°	1607	2801	1997
50°	884	1313	884
55°	991	991	991
60°	551	551	551
65°	652	652	652
70°	806	806	806
75°	0	0	1065
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2801 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1066.4	50.4
10°-20°	836.2	39.5
20°-30°	164.2	7.8
30°-40°	36.8	1.7
40°-50°	8.4	0.4
50°-60°	2.7	0.1
60°-70°	1.6	0.1
70°-80°	0.7	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°	2066.8	97.6
0°-40°	2103.6	99.4
0°-60°	2114.7	99.9
0°-90°	2117.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2117.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15362	15362	15362	15362	15362	
5°	12899	12910	12904	12948	12897	1069
15°	2685	2696	2696	2755	2780	834
25°	296	316	324	319	305	156
35°	39	48	66	48	43	29
45°	7	10	12	10	8	6
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	0	0	0	0	2	1
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°	15362.2	15362.2	15362.2	15362.2	15362.2
1°	15237.7	15204.9	15242.6	15213.1	15219.7
2°	14843.0	14824.9	14874.1	14843.0	14859.3
3°	14294.3	14271.3	14307.4	14309.0	14354.9
4°	13639.1	13594.9	13648.9	13650.5	13658.7
5°	12898.7	12910.2	12903.6	12947.9	12897.1
6°	12066.7	12104.3	12055.2	12079.8	12009.3
7°	11136.3	11088.8	11064.2	11072.4	11121.6
8°	10109.3	10076.6	10112.6	10061.8	10027.4
9°	8967.7	8910.4	8949.7	8900.5	8851.4
10°	7770.4	7744.2	7734.3	7678.6	7752.3
11°	6569.8	6491.1	6530.4	6502.6	6582.9
12°	5446.1	5452.7	5375.7	5400.3	5410.1
13°	4432.3	4327.4	4340.5	4407.7	4419.1
14°	3438.0	3452.8	3457.7	3505.2	3533.0
15°	2684.6	2696.0	2696.0	2755.0	2779.6
17.5°	1439.7	1439.7	1470.9	1477.4	1480.7
20°	820.6	825.5	843.5	841.9	825.5
22.5°	491.4	501.2	511.0	501.2	491.4
25°	296.5	316.1	324.3	319.4	304.7
27.5°	176.9	198.2	221.1	203.1	175.3
30°	109.7	121.2	155.6	124.5	114.7
32.5°	60.6	78.6	106.5	81.9	62.2
35°	39.3	47.5	65.5	47.5	42.6
37.5°	27.8	32.8	40.9	34.4	29.5
40°	19.7	22.9	26.2	24.6	19.7
42.5°	13.1	16.4	18.0	16.4	13.1
45°	6.6	9.8	11.5	9.8	8.2
47.5°	3.3	4.9	8.2	4.9	3.3
50°	3.3	3.3	4.9	3.3	3.3
52.5°	3.3	3.3	3.3	3.3	3.3
55°	3.3	3.3	3.3	3.3	3.3
57.5°	3.3	3.3	1.6	3.3	1.6
60°	1.6	1.6	1.6	1.6	1.6
62.5°	1.6	1.6	1.6	1.6	1.6
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	0.0	0.0	0.0	0.0	1.6
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)