

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: P1320443

Luminaire Tested: LDSQA3D20R459840D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R459840D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

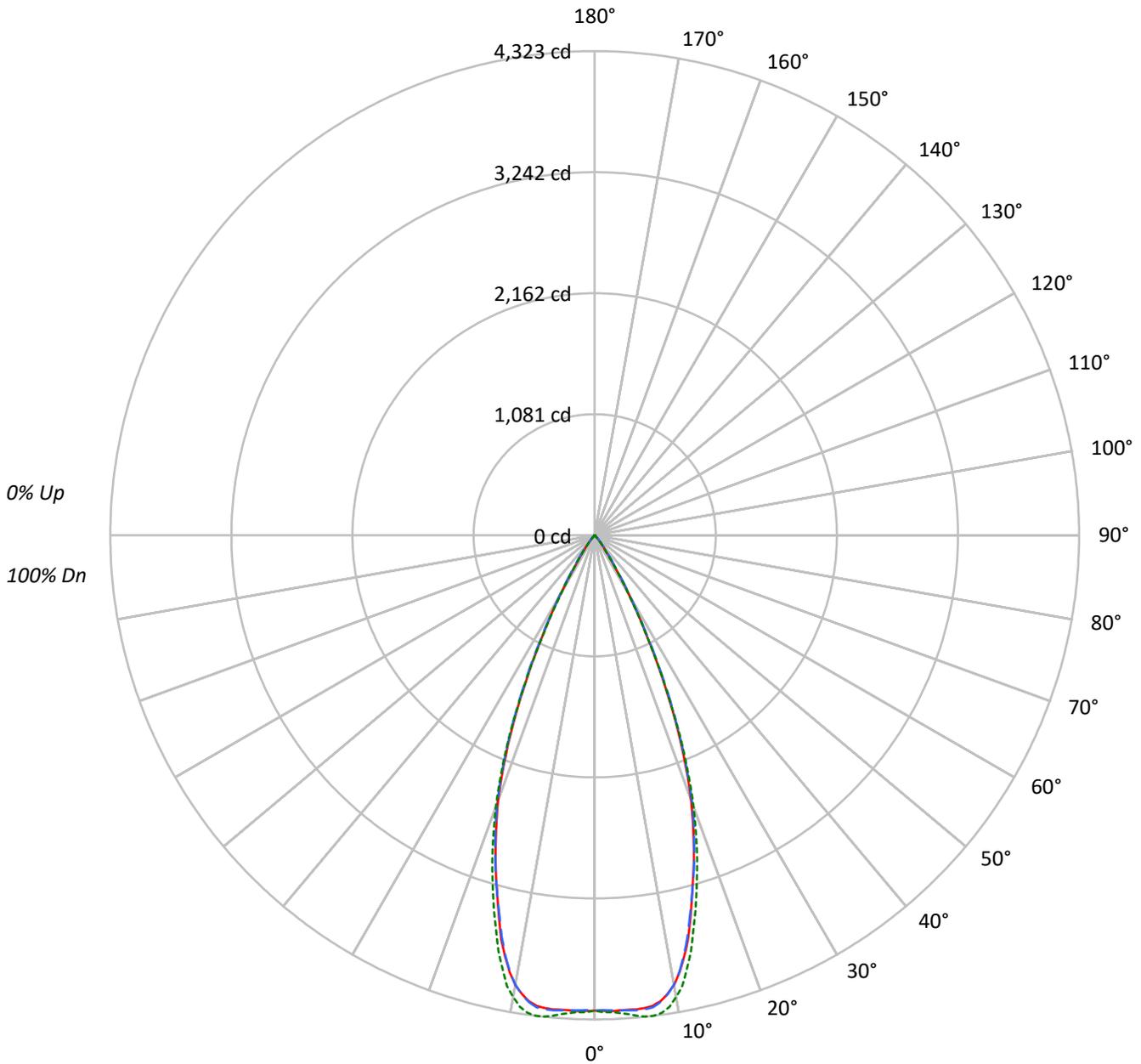
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2197.0 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	731068	731068	731068
5°	734708	736108	744493
10°	712896	712319	732150
15°	597459	597173	619122
20°	461873	466619	473144
25°	283140	288993	283748
30°	121427	126896	117549
35°	38138	45960	37108
40°	13107	16749	12747
45°	2363	7112	1973
50°	1313	2599	1313
55°	1471	1471	1471
60°	1102	1102	1102
65°	1304	1304	1304
70°	806	806	806
75°	1065	1065	1065
80°	1587	1587	1587
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 7112 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.4	18.4
10°-20°	932.2	42.4
20°-30°	682.6	31.1
30°-40°	150.8	6.9
40°-50°	18.5	0.8
50°-60°	4.4	0.2
60°-70°	3.1	0.1
70°-80°	1.7	0.1
80°-90°	0.2	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°	2018.3	91.9
0°-40°	2169.1	98.7
0°-60°	2191.9	99.8
0°-90°	2197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2197.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4245	4245	4245	4245	4245	
5°	4250	4246	4258	4289	4306	401
15°	3351	3333	3349	3430	3472	925
25°	1490	1488	1521	1509	1493	675
35°	181	191	219	191	176	143
45°	10	16	29	16	8	13
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4244.9	4244.9	4244.9	4244.9	4244.9
1°	4248.1	4241.7	4240.0	4251.4	4259.5
2°	4251.4	4243.3	4244.9	4256.2	4261.1
3°	4248.1	4240.0	4248.1	4264.3	4270.8
4°	4246.5	4243.3	4251.4	4274.1	4285.4
5°	4249.8	4246.5	4257.9	4288.6	4306.4
6°	4244.9	4240.0	4256.2	4295.1	4321.0
7°	4233.6	4228.7	4246.5	4293.5	4322.6
8°	4202.8	4193.1	4210.9	4269.2	4304.8
9°	4147.7	4134.8	4152.6	4220.6	4262.7
10°	4076.5	4061.9	4073.2	4139.6	4186.6
11°	3974.4	3955.0	3968.0	4039.2	4100.8
12°	3844.9	3817.3	3833.5	3914.5	3958.2
13°	3704.0	3678.1	3681.3	3754.2	3815.7
14°	3529.1	3495.0	3509.6	3585.7	3634.3
15°	3350.9	3333.1	3349.3	3430.3	3472.4
17.5°	2942.8	2941.1	2955.7	3015.6	3038.3
20°	2520.1	2524.9	2546.0	2578.4	2581.6
22.5°	2019.6	2021.2	2043.9	2066.6	2061.7
25°	1490.0	1488.4	1520.8	1509.4	1493.2
27.5°	987.9	994.4	1023.6	1002.5	986.3
30°	610.6	623.5	638.1	612.2	591.1
32.5°	330.4	351.4	372.5	349.8	328.8
35°	181.4	191.1	218.6	191.1	176.5
37.5°	105.3	110.1	127.9	110.1	100.4
40°	58.3	66.4	74.5	66.4	56.7
42.5°	24.3	37.3	45.3	37.3	24.3
45°	9.7	16.2	29.2	16.2	8.1
47.5°	4.9	6.5	17.8	6.5	4.9
50°	4.9	4.9	9.7	4.9	4.9
52.5°	4.9	4.9	4.9	4.9	4.9
55°	4.9	4.9	4.9	4.9	4.9
57.5°	4.9	4.9	4.9	4.9	4.9
60°	3.2	3.2	3.2	4.9	3.2
62.5°	3.2	3.2	3.2	3.2	3.2
65°	3.2	3.2	3.2	3.2	3.2
67.5°	3.2	3.2	3.2	3.2	3.2
70°	1.6	1.6	1.6	3.2	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6
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)