

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: P1320227

Luminaire Tested: LDSQA3D17R209840DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R209840DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

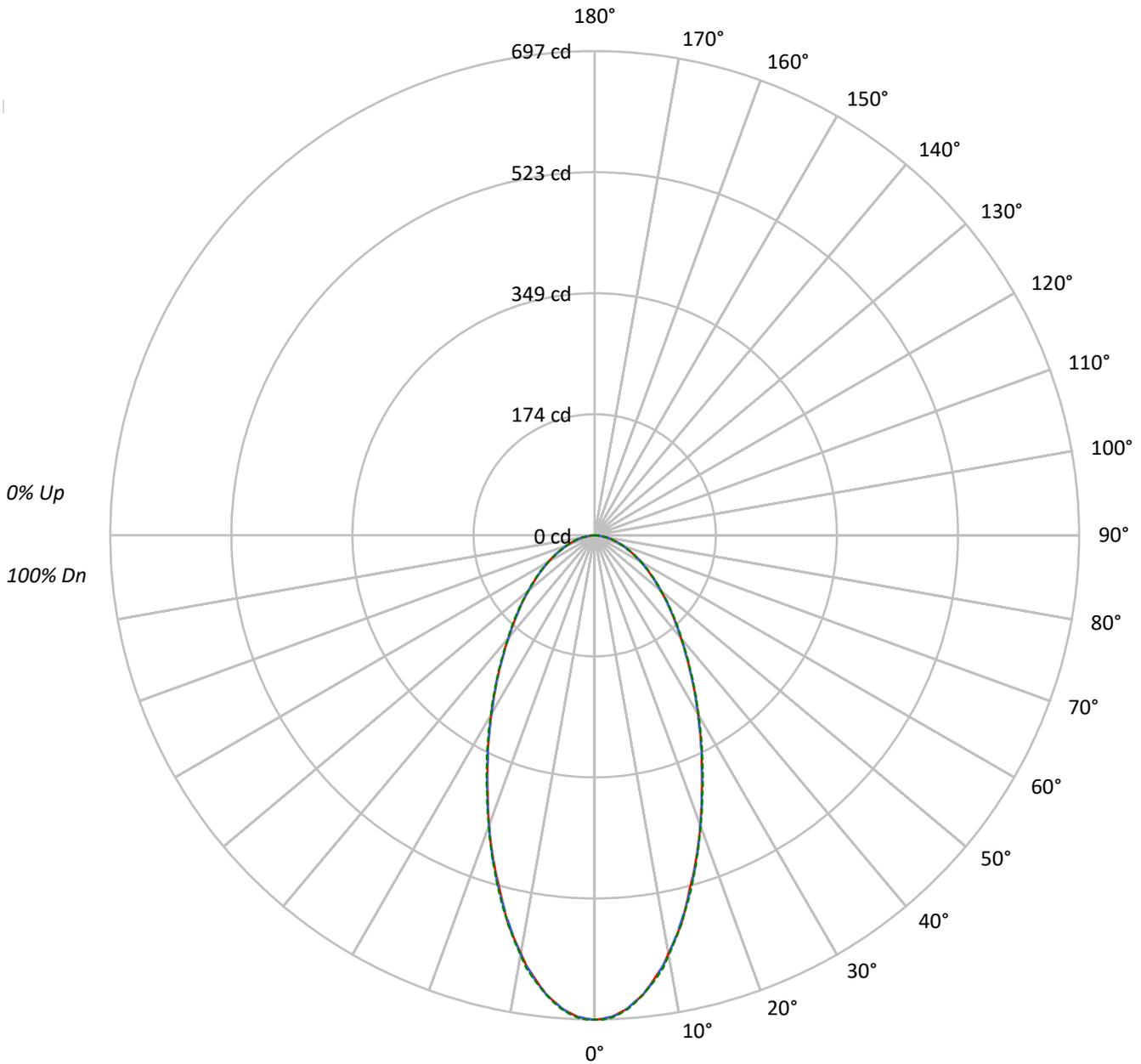
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 834.0 lumens
Efficiency: N/A
Efficacy: 40.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	120091	120091	120091
5°	116452	116452	116677
10°	106904	107131	107341
15°	94124	94569	94801
20°	81466	81466	81704
25°	69322	69322	69797
30°	59182	58924	59421
35°	50522	50522	50795
40°	43390	43390	43660
45°	37898	37898	38215
50°	33357	33357	33357
55°	29546	29546	29906
60°	26591	26591	26591
65°	23840	23840	23840
70°	21300	21300	21300
75°	19031	18232	19031
80°	16067	16067	16067
85°	9880	9880	12251

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 38215 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	7.5
10°-20°	147.6	17.7
20°-30°	168.1	20.2
30°-40°	150.9	18.1
40°-50°	120.9	14.5
50°-60°	88.9	10.7
60°-70°	58.1	7.0
70°-80°	30.1	3.6
80°-90°	7.0	0.8
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°	378.1	45.3
0°-40°	529.0	63.4
0°-60°	738.8	88.6
0°-90°	834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	834.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	697	697	697	697	697	
5°	674	674	674	674	675	62
15°	528	528	530	530	532	148
25°	365	365	365	366	367	168
35°	240	240	240	240	242	151
45°	156	156	156	156	157	121
55°	98	98	98	98	100	89
65°	58	57	58	58	58	58
75°	29	27	27	29	29	30
85°	5	5	5	6	6	7
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	697.3	697.3	697.3	697.3	697.3
1°	696.0	694.8	696.0	696.0	697.3
2°	693.5	693.5	693.5	692.3	694.8
3°	688.5	688.5	689.8	688.5	689.8
4°	682.3	682.3	682.3	681.1	683.6
5°	673.6	673.6	673.6	673.6	674.9
6°	664.9	663.6	664.9	663.6	664.9
7°	652.4	652.4	653.7	652.4	653.7
8°	640.0	638.7	641.2	640.0	642.5
9°	627.5	626.3	627.5	626.3	630.0
10°	611.3	612.6	612.6	612.6	613.8
12.5°	574.0	571.5	571.5	571.5	574.0
15°	527.9	527.9	530.4	530.4	531.7
17.5°	486.8	485.6	488.1	488.1	488.1
20°	444.5	443.3	444.5	444.5	445.8
22.5°	402.2	403.4	403.4	403.4	404.7
25°	364.8	364.8	364.8	366.1	367.3
27.5°	330.0	328.7	330.0	331.2	332.4
30°	297.6	296.3	296.3	297.6	298.8
32.5°	267.7	266.5	267.7	267.7	268.9
35°	240.3	240.3	240.3	240.3	241.6
37.5°	215.4	215.4	215.4	216.6	216.6
40°	193.0	193.0	193.0	194.2	194.2
42.5°	173.1	173.1	173.1	174.3	175.6
45°	155.6	155.6	155.6	155.6	156.9
47.5°	139.5	139.5	139.5	140.7	140.7
50°	124.5	123.3	124.5	125.8	124.5
52.5°	110.8	110.8	110.8	110.8	112.1
55°	98.4	98.4	98.4	98.4	99.6
57.5°	87.2	87.2	87.2	88.4	88.4
60°	77.2	77.2	77.2	77.2	77.2
62.5°	67.2	67.2	67.2	67.2	67.2
65°	58.5	57.3	58.5	58.5	58.5
67.5°	49.8	49.8	49.8	49.8	49.8
70°	42.3	42.3	42.3	42.3	42.3
72.5°	34.9	34.9	34.9	34.9	34.9
75°	28.6	27.4	27.4	28.6	28.6
77.5°	22.4	21.2	22.4	22.4	22.4
80°	16.2	16.2	16.2	16.2	16.2
82.5°	10.0	10.0	10.0	11.2	11.2
85°	5.0	5.0	5.0	6.2	6.2
87.5°	1.2	1.2	1.2	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)