

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: P1319497

Luminaire Tested: LDSQA3D20R209835D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319497
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: LDSQA3D20R209835D010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

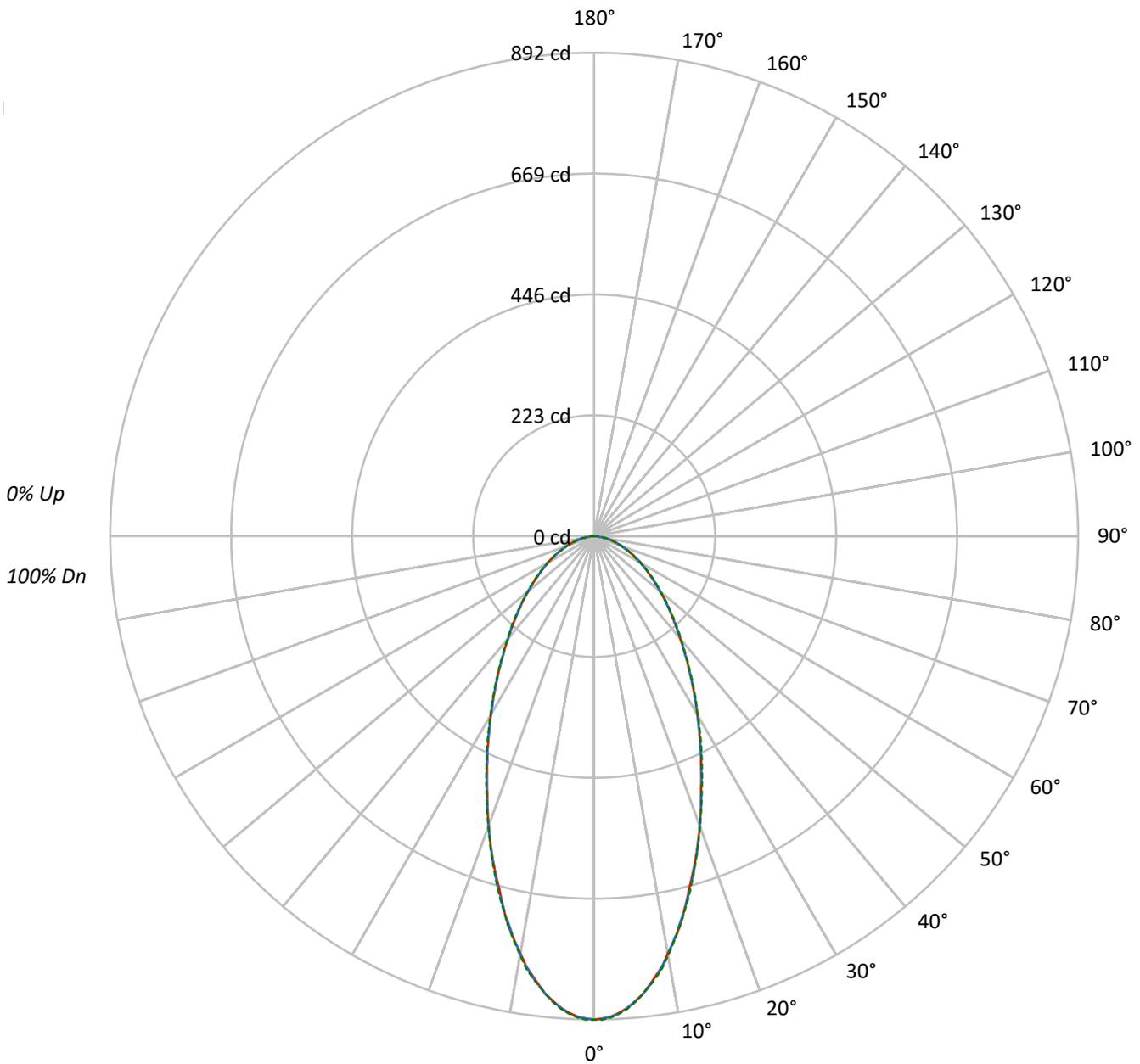
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1067.0 lumens
Efficiency: N/A
Efficacy: 38.9 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): 27.4
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



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	153640	153640	153640
5°	148988	148988	149265
10°	136773	137053	137333
15°	120422	120993	121278
20°	104229	104229	104522
25°	88685	88685	89294
30°	75708	75390	76026
35°	64629	64629	64966
40°	55508	55508	55868
45°	48493	48493	48882
50°	42681	42681	42681
55°	37773	37773	38253
60°	34031	34031	34031
65°	30523	30523	30523
70°	27292	27292	27292
75°	24354	23290	24354
80°	20530	20530	20530
85°	12647	12647	15808

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 48882 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.8	7.5
10°-20°	188.9	17.7
20°-30°	215.0	20.2
30°-40°	193.1	18.1
40°-50°	154.7	14.5
50°-60°	113.7	10.7
60°-70°	74.3	7.0
70°-80°	38.5	3.6
80°-90°	8.9	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°	483.7	45.3
0°-40°	676.8	63.4
0°-60°	945.2	88.6
0°-90°	1067.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1067.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	892	892	892	892	892	
5°	862	862	862	862	863	80
15°	675	675	679	679	680	189
25°	467	467	467	468	470	215
35°	307	307	307	307	309	193
45°	199	199	199	199	201	154
55°	126	126	126	126	127	113
65°	75	73	75	75	75	74
75°	37	35	35	37	37	39
85°	6	6	6	8	8	8
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	892.1	892.1	892.1	892.1	892.1
1°	890.5	888.9	890.5	890.5	892.1
2°	887.3	887.3	887.3	885.7	888.9
3°	880.9	880.9	882.5	880.9	882.5
4°	872.9	872.9	872.9	871.4	874.5
5°	861.8	861.8	861.8	861.8	863.4
6°	850.6	849.1	850.6	849.1	850.6
7°	834.7	834.7	836.3	834.7	836.3
8°	818.8	817.2	820.4	818.8	822.0
9°	802.9	801.3	802.9	801.3	806.0
10°	782.1	783.7	783.7	783.7	785.3
12.5°	734.4	731.2	731.2	731.2	734.4
15°	675.4	675.4	678.6	678.6	680.2
17.5°	622.9	621.3	624.4	624.4	624.4
20°	568.7	567.1	568.7	568.7	570.3
22.5°	514.5	516.1	516.1	516.1	517.7
25°	466.7	466.7	466.7	468.3	469.9
27.5°	422.1	420.5	422.1	423.7	425.3
30°	380.7	379.1	379.1	380.7	382.3
32.5°	342.5	340.9	342.5	342.5	344.1
35°	307.4	307.4	307.4	307.4	309.0
37.5°	275.6	275.6	275.6	277.2	277.2
40°	246.9	246.9	246.9	248.5	248.5
42.5°	221.4	221.4	221.4	223.0	224.6
45°	199.1	199.1	199.1	199.1	200.7
47.5°	178.4	178.4	178.4	180.0	180.0
50°	159.3	157.7	159.3	160.9	159.3
52.5°	141.8	141.8	141.8	141.8	143.4
55°	125.8	125.8	125.8	125.8	127.4
57.5°	111.5	111.5	111.5	113.1	113.1
60°	98.8	98.8	98.8	98.8	98.8
62.5°	86.0	86.0	86.0	86.0	86.0
65°	74.9	73.3	74.9	74.9	74.9
67.5°	63.7	63.7	63.7	63.7	63.7
70°	54.2	54.2	54.2	54.2	54.2
72.5°	44.6	44.6	44.6	44.6	44.6
75°	36.6	35.0	35.0	36.6	36.6
77.5°	28.7	27.1	28.7	28.7	28.7
80°	20.7	20.7	20.7	20.7	20.7
82.5°	12.7	12.7	12.7	14.3	14.3
85°	6.4	6.4	6.4	8.0	8.0
87.5°	1.6	1.6	1.6	3.2	3.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)