

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: P1317453

Luminaire Tested: LDSQA3D13R209827DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317453
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: LDSQA3D13R209827DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

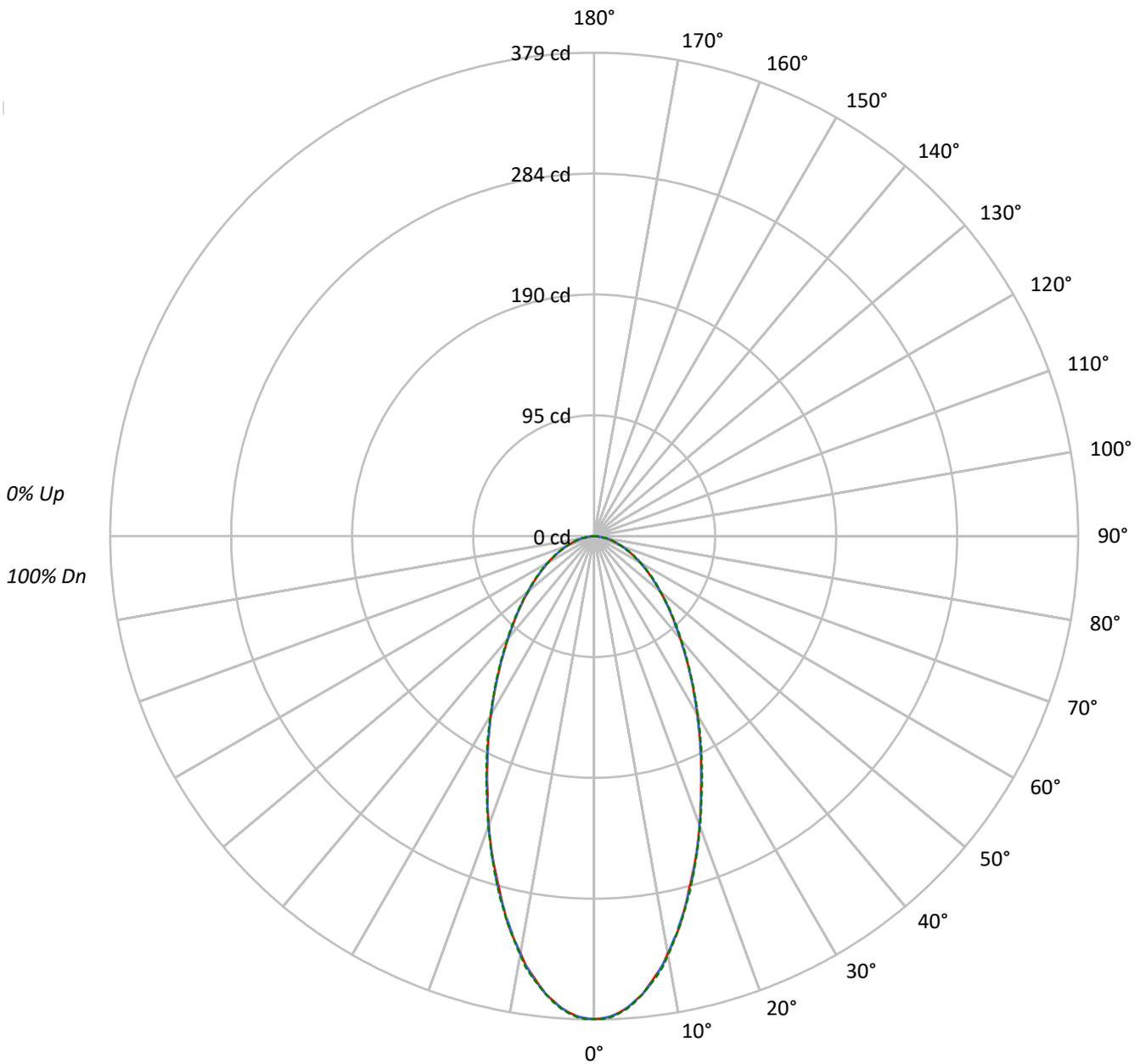
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 453.0 lumens
Efficiency: N/A
Efficacy: 31.2 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): 14.5
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

TEST NUMBER: P1317453
CATALOG NUMBER: LDSQA3D13R209827DE010 3LSQPHRLD1MW

Luminous Intensity Polar Plot



— 0°-180° - - - 45°-225° ···· 90°-270°



TEST NUMBER: P1317453

CATALOG NUMBER: LDSQA3D13R209827DE010 3LSQPHRLD1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	65221	65221	65221
5°	63257	63257	63378
10°	58077	58182	58305
15°	51136	51368	51492
20°	44243	44243	44371
25°	37663	37663	37910
30°	32137	32017	32276
35°	27437	27437	27584
40°	23561	23561	23719
45°	20581	20581	20751
50°	18112	18112	18112
55°	16034	16034	16244
60°	14432	14432	14432
65°	12959	12959	12959
70°	11582	11582	11582
75°	10381	9915	10381
80°	8728	8728	8728
85°	5335	5335	6719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 20751 cd/sqm



TEST NUMBER: P1317453

CATALOG NUMBER: LDSQA3D13R209827DE010 3LSQPHRLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.9	7.5
10°-20°	80.2	17.7
20°-30°	91.3	20.2
30°-40°	82.0	18.1
40°-50°	65.7	14.5
50°-60°	48.2	10.7
60°-70°	31.6	7.0
70°-80°	16.4	3.6
80°-90°	3.8	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°	205.4	45.3
0°-40°	287.3	63.4
0°-60°	401.3	88.6
0°-90°	453.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	453.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	379	379	379	379	379	
5°	366	366	366	366	367	34
15°	287	287	288	288	289	80
25°	198	198	198	199	200	91
35°	130	130	130	130	131	82
45°	84	84	84	84	85	66
55°	53	53	53	53	54	48
65°	32	31	32	32	32	32
75°	16	15	15	16	16	17
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



TEST NUMBER: P1317453

CATALOG NUMBER: LDSQA3D13R209827DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	378.7	378.7	378.7	378.7	378.7
1°	378.1	377.4	378.1	378.1	378.7
2°	376.7	376.7	376.7	376.0	377.4
3°	374.0	374.0	374.7	374.0	374.7
4°	370.6	370.6	370.6	369.9	371.3
5°	365.9	365.9	365.9	365.9	366.6
6°	361.1	360.5	361.1	360.5	361.1
7°	354.4	354.4	355.1	354.4	355.1
8°	347.6	346.9	348.3	347.6	349.0
9°	340.9	340.2	340.9	340.2	342.2
10°	332.1	332.7	332.7	332.7	333.4
12.5°	311.8	310.4	310.4	310.4	311.8
15°	286.8	286.8	288.1	288.1	288.8
17.5°	264.4	263.8	265.1	265.1	265.1
20°	241.4	240.8	241.4	241.4	242.1
22.5°	218.4	219.1	219.1	219.1	219.8
25°	198.2	198.2	198.2	198.8	199.5
27.5°	179.2	178.5	179.2	179.9	180.6
30°	161.6	161.0	161.0	161.6	162.3
32.5°	145.4	144.7	145.4	145.4	146.1
35°	130.5	130.5	130.5	130.5	131.2
37.5°	117.0	117.0	117.0	117.7	117.7
40°	104.8	104.8	104.8	105.5	105.5
42.5°	94.0	94.0	94.0	94.7	95.4
45°	84.5	84.5	84.5	84.5	85.2
47.5°	75.7	75.7	75.7	76.4	76.4
50°	67.6	67.0	67.6	68.3	67.6
52.5°	60.2	60.2	60.2	60.2	60.9
55°	53.4	53.4	53.4	53.4	54.1
57.5°	47.3	47.3	47.3	48.0	48.0
60°	41.9	41.9	41.9	41.9	41.9
62.5°	36.5	36.5	36.5	36.5	36.5
65°	31.8	31.1	31.8	31.8	31.8
67.5°	27.1	27.1	27.1	27.1	27.1
70°	23.0	23.0	23.0	23.0	23.0
72.5°	18.9	18.9	18.9	18.9	18.9
75°	15.6	14.9	14.9	15.6	15.6
77.5°	12.2	11.5	12.2	12.2	12.2
80°	8.8	8.8	8.8	8.8	8.8
82.5°	5.4	5.4	5.4	6.1	6.1
85°	2.7	2.7	2.7	3.4	3.4
87.5°	0.7	0.7	0.7	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)