

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: P1309573

Luminaire Tested: LDSQA3D20R359030D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

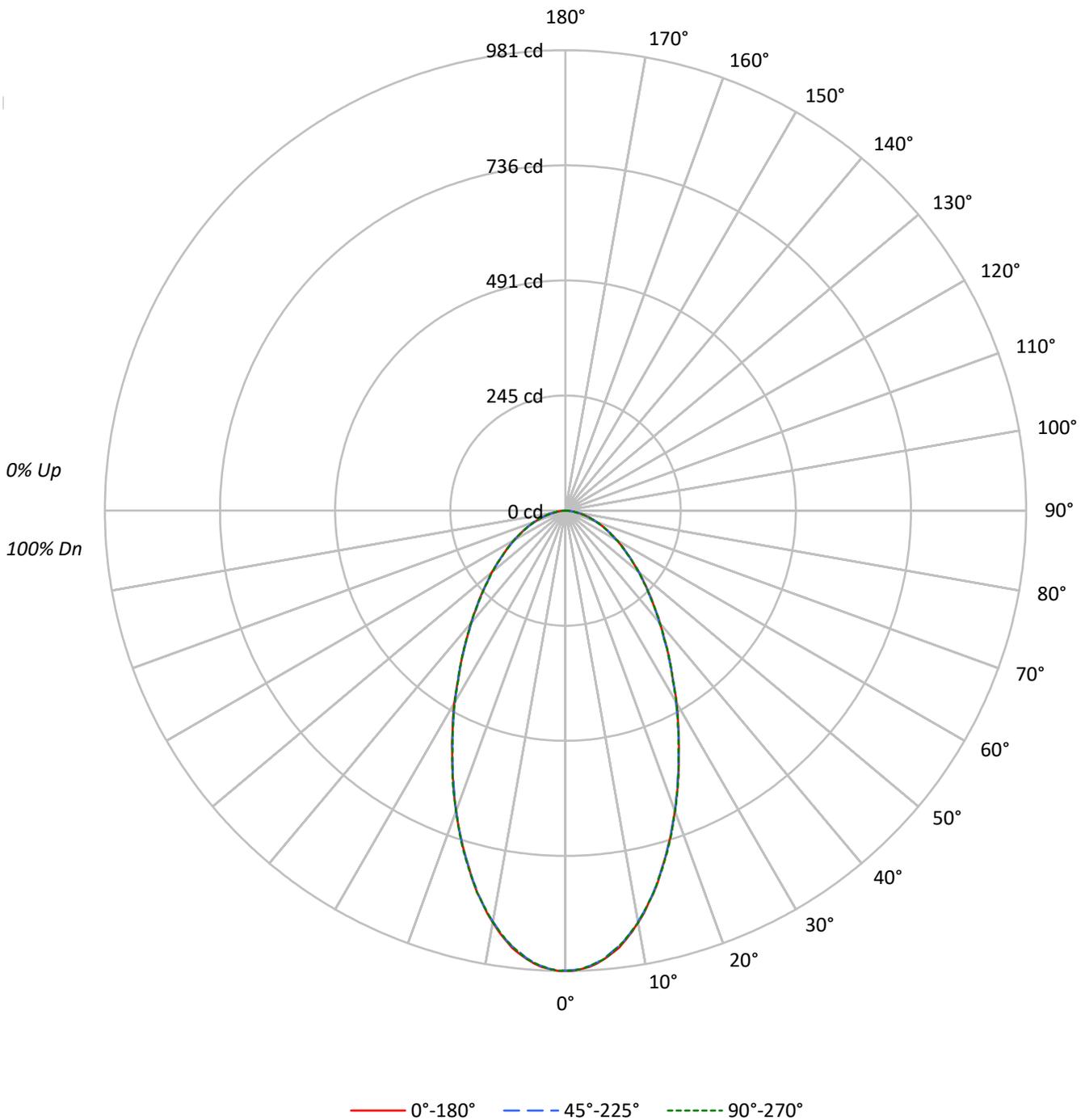
Test Method: LM-79-2019  
Report Number: P1309573  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R359030D010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1310.0 lumens  
Efficiency: N/A  
Efficacy: 45.5 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
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 (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: P1309573  
CATALOG NUMBER: LDSQA3D20R359030D010 3LSQPHRLD1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1309573

CATALOG NUMBER: LDSQA3D20R359030D010 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	100		
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88		
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	77		
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68		
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	60		
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54		
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49		
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	44		
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	41		
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	38		
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35		

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	168882	168882	168882
5°	165723	165429	165723
10°	155818	155520	155818
15°	141069	141069	141372
20°	124866	124866	124866
25°	108581	108277	108277
30°	94143	93467	93805
35°	81049	80692	81049
40°	70324	69942	70324
45°	61767	61353	61353
50°	54819	54363	54363
55°	48222	48222	48222
60°	43676	43090	43676
65°	39284	39284	39284
70°	34896	34896	34896
75°	31474	30343	31474
80°	26878	26878	26878
85°	16796	16796	16796

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 61767 cd/sqm



TEST NUMBER: P1309573

CATALOG NUMBER: LDSQA3D20R359030D010 3LSQPHRLD1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.2	6.8
10°-20°	220.7	16.8
20°-30°	262.2	20.0
30°-40°	241.0	18.4
40°-50°	195.7	14.9
50°-60°	144.8	11.1
60°-70°	95.7	7.3
70°-80°	49.6	3.8
80°-90°	11.2	0.9
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°	572.1	43.7
0°-40°	813.1	62.1
0°-60°	1153.6	88.1
0°-90°	1310.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1310.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	981	981	981	981	981	
5°	959	957	957	957	959	89
15°	791	791	791	791	793	221
25°	571	570	570	571	570	263
35°	386	384	384	386	386	241
45°	254	252	252	252	252	196
55°	161	161	161	161	161	145
65°	96	96	96	96	96	96
75°	47	47	46	47	47	50
85°	8	8	8	8	8	11
90°	0	0	0	0	0	



TEST NUMBER: P1309573

CATALOG NUMBER: LDSQA3D20R359030D010 3LSQPHRLD1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	980.6	980.6	980.6	980.6	980.6
1°	980.6	978.9	978.9	978.9	980.6
2°	977.2	977.2	977.2	977.2	977.2
3°	973.8	972.1	972.1	972.1	972.1
4°	967.1	965.4	965.4	965.4	965.4
5°	958.6	956.9	956.9	956.9	958.6
6°	948.5	946.8	945.1	945.1	946.8
7°	938.3	934.9	934.9	934.9	934.9
8°	923.1	921.4	921.4	921.4	921.4
9°	907.9	904.5	906.2	906.2	906.2
10°	891.0	889.3	889.3	889.3	891.0
11°	874.1	872.4	872.4	870.7	872.4
12°	853.8	853.8	853.8	853.8	853.8
13°	835.2	833.5	833.5	833.5	835.2
14°	814.9	813.2	813.2	813.2	813.2
15°	791.2	791.2	791.2	791.2	792.9
17.5°	737.1	735.4	737.1	737.1	738.8
20°	681.3	679.6	681.3	681.3	681.3
22.5°	625.5	625.5	623.9	625.5	627.2
25°	571.4	569.8	569.8	571.4	569.8
27.5°	520.7	519.0	519.0	519.0	519.0
30°	473.4	470.0	470.0	471.7	471.7
32.5°	424.4	424.4	426.0	424.4	424.4
35°	385.5	383.8	383.8	385.5	385.5
37.5°	346.6	344.9	344.9	346.6	346.6
40°	312.8	312.8	311.1	312.8	312.8
42.5°	280.7	280.7	280.7	280.7	280.7
45°	253.6	251.9	251.9	251.9	251.9
47.5°	226.5	226.5	226.5	224.9	226.5
50°	204.6	202.9	202.9	202.9	202.9
52.5°	180.9	180.9	180.9	180.9	180.9
55°	160.6	160.6	160.6	160.6	160.6
57.5°	143.7	142.0	142.0	142.0	142.0
60°	126.8	126.8	125.1	126.8	126.8
62.5°	109.9	109.9	109.9	109.9	109.9
65°	96.4	96.4	96.4	96.4	96.4
67.5°	82.8	82.8	82.8	82.8	82.8
70°	69.3	69.3	69.3	69.3	69.3
72.5°	59.2	57.5	57.5	57.5	57.5
75°	47.3	47.3	45.6	47.3	47.3
77.5°	35.5	35.5	35.5	35.5	35.5
80°	27.1	27.1	27.1	25.4	27.1
82.5°	16.9	16.9	16.9	16.9	16.9
85°	8.5	8.5	8.5	8.5	8.5
87.5°	1.7	1.7	1.7	3.4	3.4



TEST NUMBER: P1309573  
CATALOG NUMBER: LDSQA3D20R359030D010 3LSQPHRLD1MW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)