

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: P1320422

Luminaire Tested: LDSQA3D20R359840D010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320422  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R359840D010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

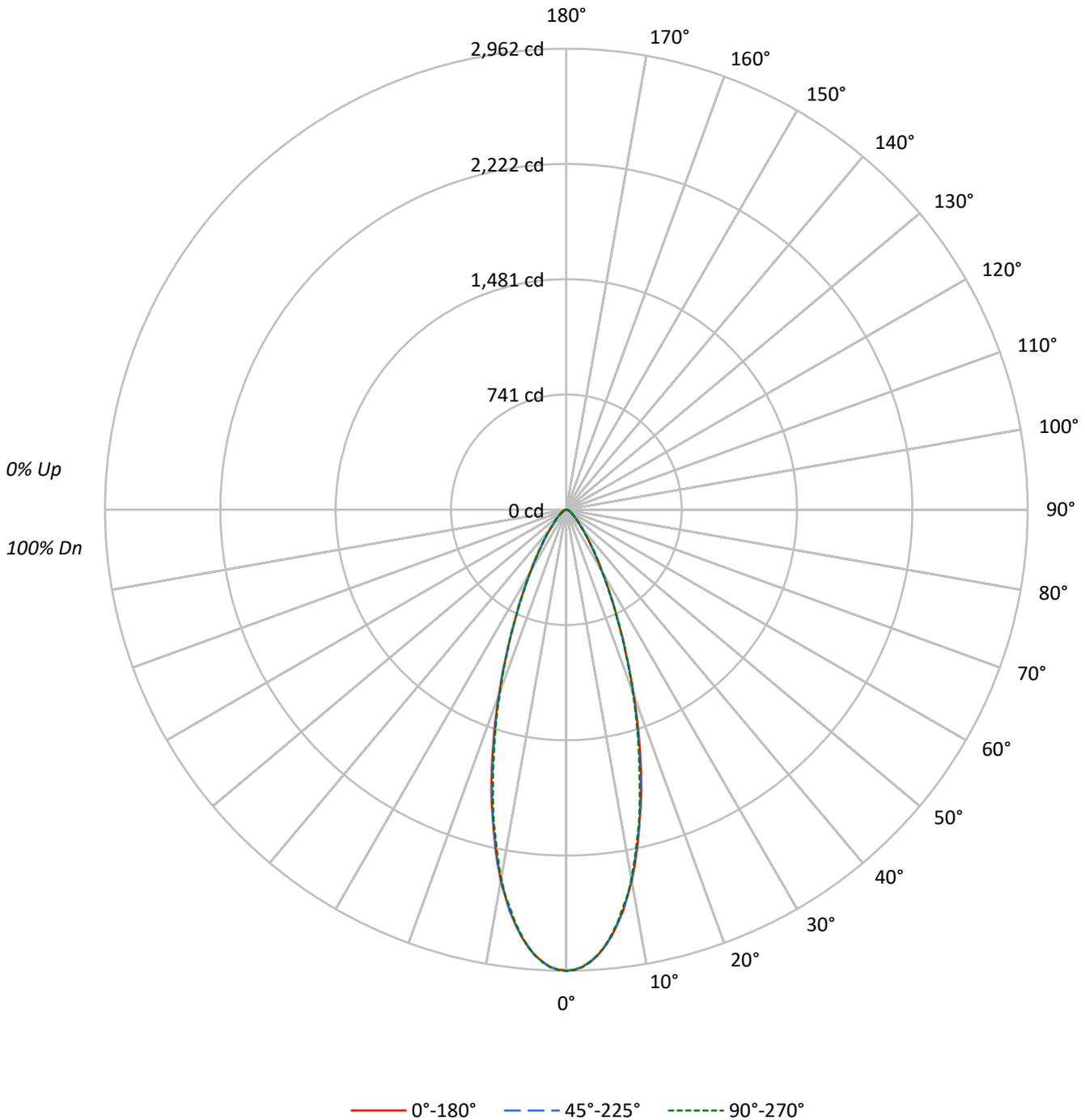
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1461.0 lumens  
Efficiency: N/A  
Efficacy: 53.3 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
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<sub>in</sub>): 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: P1320422  
CATALOG NUMBER: LDSQA3D20R359840D010 3LSQPHRL1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P1320422

CATALOG NUMBER: LDSQA3D20R359840D010 3LSQPHRL1MMS

**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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	95	95	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	83	83	83	82
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	78	78	78	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	74	74	74	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	70	70	70	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	66	66	66	65
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	63	63	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	60	60	60	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	57	57	57	56

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

	0°	45°	90°
0°	510210	510210	510210
5°	487523	486676	487523
10°	423243	421827	421250
15°	331634	329049	323843
20°	232008	229937	228453
25°	147347	148278	147347
30°	90782	91419	90782
35°	56156	56493	56493
40°	35657	36039	36039
45°	24039	24453	24843
50°	17362	17791	17791
55°	13602	13602	13602
60°	11160	11160	11160
65°	9903	9903	9903
70°	8963	8963	8963
75°	7519	7519	7519
80°	6447	6447	6447
85°	3162	3162	6323

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 24843 cd/sqm



TEST NUMBER: P1320422

CATALOG NUMBER: LDSQA3D20R359840D010 3LSQPHRL1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.0	17.5
10°-20°	504.1	34.5
20°-30°	363.7	24.9
30°-40°	175.3	12.0
40°-50°	80.8	5.5
50°-60°	41.8	2.9
60°-70°	24.2	1.7
70°-80°	12.2	0.8
80°-90°	2.9	0.2
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°	1123.8	76.9
0°-40°	1299.1	88.9
0°-60°	1421.8	97.3
0°-90°	1461.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1461.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2962	2962	2962	2962	2962	
5°	2820	2826	2815	2817	2820	256
15°	1860	1857	1846	1837	1816	507
25°	775	777	780	780	775	364
35°	267	267	269	269	269	174
45°	99	100	100	102	102	80
55°	45	45	45	45	45	41
65°	24	24	24	24	24	24
75°	11	11	11	11	11	12
85°	2	2	2	2	3	3
90°	0	0	0	0	0	



TEST NUMBER: P1320422

CATALOG NUMBER: LDSQA3D20R359840D010 3LSQPHRL1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2962.5	2962.5	2962.5	2962.5	2962.5
1°	2954.4	2959.2	2957.6	2959.2	2957.6
2°	2939.8	2943.0	2939.8	2941.4	2941.4
3°	2909.0	2912.3	2912.3	2910.7	2909.0
4°	2871.8	2879.9	2871.8	2873.4	2868.6
5°	2820.0	2826.5	2815.1	2816.8	2820.0
6°	2756.9	2758.5	2755.2	2753.6	2750.4
7°	2684.0	2690.5	2679.2	2680.8	2677.5
8°	2606.3	2604.7	2604.7	2598.2	2588.5
9°	2512.4	2518.9	2509.2	2505.9	2507.6
10°	2420.2	2420.2	2412.1	2404.0	2408.8
11°	2314.9	2311.7	2306.8	2295.5	2292.3
12°	2200.0	2206.5	2191.9	2187.0	2175.7
13°	2081.8	2091.5	2085.1	2067.2	2068.9
14°	1971.7	1965.3	1960.4	1957.2	1945.8
15°	1860.0	1856.8	1845.5	1837.4	1816.3
17.5°	1554.1	1557.3	1536.3	1533.0	1524.9
20°	1265.9	1256.2	1254.6	1256.2	1246.5
22.5°	998.8	1008.5	997.2	998.8	992.3
25°	775.4	777.0	780.3	780.3	775.4
27.5°	602.2	602.2	599.0	602.2	597.3
30°	456.5	456.5	459.7	463.0	456.5
32.5°	352.9	352.9	352.9	354.5	356.1
35°	267.1	267.1	268.7	268.7	268.7
37.5°	205.6	207.2	208.8	208.8	208.8
40°	158.6	160.3	160.3	161.9	160.3
42.5°	126.3	126.3	126.3	127.9	127.9
45°	98.7	100.4	100.4	102.0	102.0
47.5°	80.9	80.9	80.9	82.6	82.6
50°	64.8	66.4	66.4	66.4	66.4
52.5°	53.4	53.4	55.0	55.0	55.0
55°	45.3	45.3	45.3	45.3	45.3
57.5°	37.2	38.9	38.9	38.9	38.9
60°	32.4	32.4	32.4	32.4	32.4
62.5°	27.5	27.5	27.5	27.5	27.5
65°	24.3	24.3	24.3	24.3	24.3
67.5°	19.4	21.0	21.0	21.0	21.0
70°	17.8	17.8	17.8	17.8	17.8
72.5°	13.0	14.6	14.6	14.6	14.6
75°	11.3	11.3	11.3	11.3	11.3
77.5°	9.7	8.1	8.1	8.1	9.7
80°	6.5	6.5	6.5	6.5	6.5
82.5°	4.9	4.9	4.9	4.9	4.9
85°	1.6	1.6	1.6	1.6	3.2
87.5°	0.0	0.0	0.0	1.6	1.6



TEST NUMBER: P1320422  
CATALOG NUMBER: LDSQA3D20R359840D010 3LSQPHRL1MMS

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)