

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: P1310120

Luminaire Tested: LDSQA3D05R709035DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

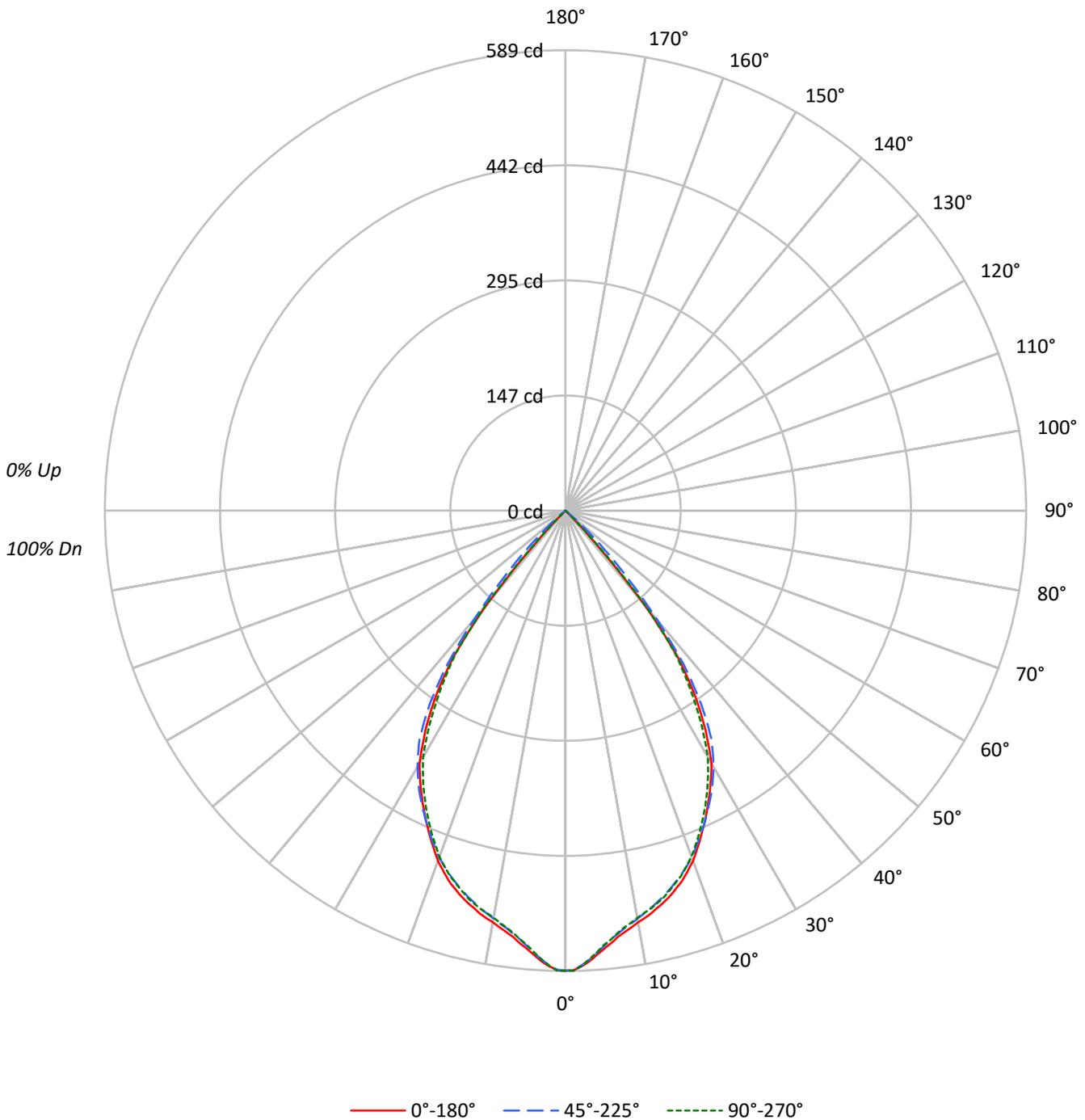
Test Method: LM-79-2019  
Report Number: P1310120  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R709035DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 609.0 lumens  
Efficiency: N/A  
Efficacy: 84.6 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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: P1310120  
CATALOG NUMBER: LDSQA3D05R709035DE010 3LSQCDR1MB

### Luminous Intensity Polar Plot





TEST NUMBER: P1310120  
 CATALOG NUMBER: LDSQA3D05R709035DE010 3LSQCDR1MB

**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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	95	95	95	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	88	88	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	81	81	81	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	75	75	75	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	70	70	70	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	65	65	65	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	60	60	60	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	56	56	56	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	53	53	53	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	49	49	49	48

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

	0°	45°	90°
0°	101387	101387	101387
5°	97314	96779	96519
10°	93491	92669	92494
15°	91271	89987	90165
20°	87404	86561	86359
25°	81122	81331	80058
30°	74256	75271	72407
35°	60740	63662	58364
40°	34960	40760	35904
45°	511	16927	1754
50°	0	1795	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 16927 cd/sqm



TEST NUMBER: P1310120

CATALOG NUMBER: LDSQA3D05R709035DE010 3LSQCDR1MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.5	8.6
10°-20°	142.3	23.4
20°-30°	195.5	32.1
30°-40°	177.3	29.1
40°-50°	41.2	6.8
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	390.3	64.1
0°-40°	567.6	93.2
0°-60°	609.0	100.0
0°-90°	609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	609.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	589	589	589	589	589	
5°	563	561	560	559	558	53
15°	512	508	505	505	506	144
25°	427	429	428	424	421	196
35°	289	293	303	290	278	174
45°	2	23	70	30	7	25
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1310120  
 CATALOG NUMBER: LDSQA3D05R709035DE010 3LSQCDR1MB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	588.7	588.7	588.7	588.7	588.7
1°	588.1	587.1	587.6	588.1	588.7
2°	583.5	582.5	582.5	583.0	583.0
3°	577.8	575.8	575.8	575.3	575.3
4°	570.1	568.6	567.5	567.0	567.0
5°	562.9	561.4	559.8	558.8	558.3
6°	556.7	554.1	552.1	551.6	552.1
7°	549.5	548.0	545.9	544.4	544.9
8°	544.4	542.3	539.7	538.7	538.7
9°	539.7	537.7	535.1	533.0	534.1
10°	534.6	532.5	529.9	528.4	528.9
11°	531.0	528.4	525.3	524.3	524.8
12°	526.9	523.8	520.7	520.2	521.2
13°	521.7	518.6	515.5	515.5	516.6
14°	517.1	513.5	510.4	510.4	511.9
15°	511.9	508.3	504.7	504.7	505.7
17.5°	496.5	493.4	489.8	489.8	490.3
20°	476.9	475.3	472.3	470.7	471.2
22.5°	452.2	452.2	450.6	448.1	447.0
25°	426.9	429.0	428.0	423.8	421.3
27.5°	400.7	404.3	404.8	398.6	394.0
30°	373.4	376.5	378.5	371.3	364.1
32.5°	333.2	342.5	347.6	337.8	322.9
35°	288.9	293.0	302.8	289.9	277.6
37.5°	234.8	240.0	248.2	237.9	230.7
40°	155.5	176.1	181.3	176.1	159.7
42.5°	56.1	98.9	119.0	100.9	65.9
45°	2.1	23.2	69.5	29.9	7.2
47.5°	0.0	0.5	31.4	1.0	0.0
50°	0.0	0.0	6.7	0.0	0.0
52.5°	0.0	0.0	0.5	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1310120  
CATALOG NUMBER: LDSQA3D05R709035DE010 3LSQCDR1MB

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)