

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: P1311216

Luminaire Tested: LDSQA3D05R559040DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

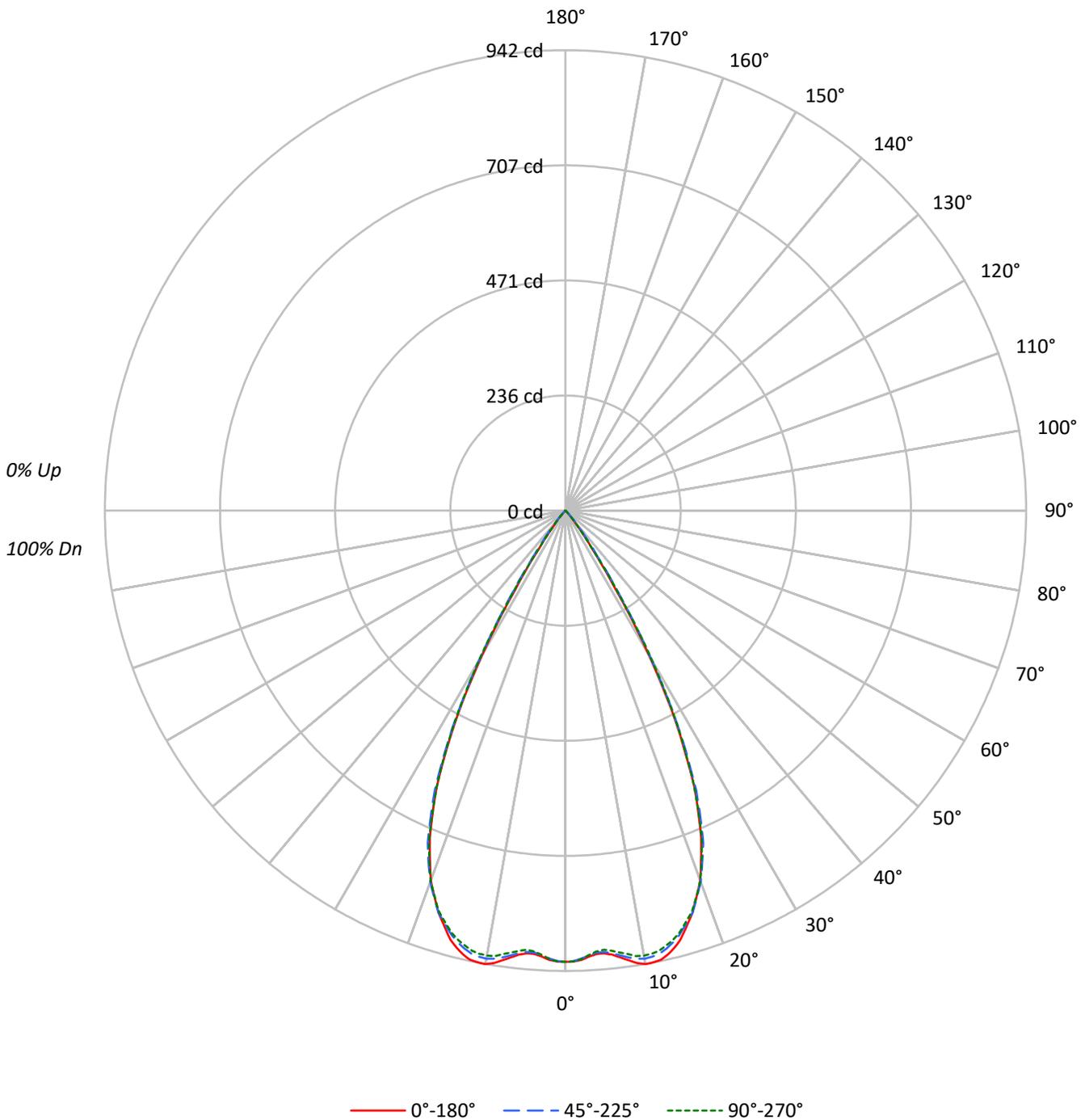
Test Method: LM-79-2019  
Report Number: P1311216  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R559040DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 702.0 lumens  
Efficiency: N/A  
Efficacy: 97.5 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
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: P1311216  
CATALOG NUMBER: LDSQA3D05R559040DE010 3LSQCDR1MB

### Luminous Intensity Polar Plot





TEST NUMBER: P1311216  
 CATALOG NUMBER: LDSQA3D05R559040DE010 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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

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

	0°	45°	90°
0°	159030	159030	159030
5°	157218	156751	155904
10°	164771	162795	161676
15°	162037	160308	159737
20°	147592	148197	147702
25°	118406	120249	118406
30°	67972	69682	70219
35°	19385	23337	19952
40°	4969	7149	5081
45°	536	2484	390
50°	0	429	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: 2484 cd/sqm



TEST NUMBER: P1311216  
 CATALOG NUMBER: LDSQA3D05R559040DE010 3LSQCDR1MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.7	12.5
10°-20°	250.2	35.6
20°-30°	275.5	39.3
30°-40°	82.3	11.7
40°-50°	6.3	0.9
50°-60°	0.0	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°	613.4	87.4
0°-40°	695.6	99.1
0°-60°	702.0	100.0
0°-90°	702.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	702.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	923	923	923	923	923	
5°	909	908	907	903	902	88
15°	909	902	899	895	896	252
25°	623	623	633	632	623	273
35°	92	98	111	101	95	76
45°	2	5	10	5	2	4
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: P1311216  
 CATALOG NUMBER: LDSQA3D05R559040DE010 3LSQCDR1MB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	923.4	923.4	923.4	923.4	923.4
1°	922.8	922.8	921.8	921.2	922.8
2°	920.1	920.1	917.4	916.9	918.5
3°	914.2	913.7	911.5	909.9	911.0
4°	909.4	908.3	906.7	904.0	904.5
5°	909.4	907.7	906.7	902.9	901.8
6°	913.7	912.6	910.4	906.7	905.6
7°	921.2	919.1	916.9	912.1	911.0
8°	929.3	927.7	923.4	918.5	916.4
9°	937.4	933.6	928.2	923.4	922.8
10°	942.2	936.8	930.9	925.0	924.5
11°	941.7	936.8	929.8	924.5	923.9
12°	939.5	932.5	926.6	920.1	920.7
13°	932.0	925.5	919.6	914.7	913.7
14°	921.8	915.8	910.4	905.6	906.1
15°	908.8	902.3	899.1	895.3	895.9
17.5°	863.0	861.4	863.0	858.7	860.3
20°	805.3	803.7	808.6	806.4	805.9
22.5°	725.0	727.2	736.3	733.6	728.8
25°	623.1	623.1	632.8	631.8	623.1
27.5°	490.5	494.3	500.2	502.9	496.5
30°	341.8	350.4	350.4	355.8	353.1
32.5°	190.8	209.1	213.5	216.2	205.4
35°	92.2	98.1	111.0	101.3	94.9
37.5°	44.2	46.9	59.8	48.5	45.3
40°	22.1	25.3	31.8	26.4	22.6
42.5°	9.2	13.5	16.7	13.5	9.2
45°	2.2	5.4	10.2	5.4	1.6
47.5°	0.0	0.5	4.9	1.1	0.0
50°	0.0	0.0	1.6	0.0	0.0
52.5°	0.0	0.0	0.0	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: P1311216  
CATALOG NUMBER: LDSQA3D05R559040DE010 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)