

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: P1307864

Luminaire Tested: LDSQA3D05R559027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307864  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R559027DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

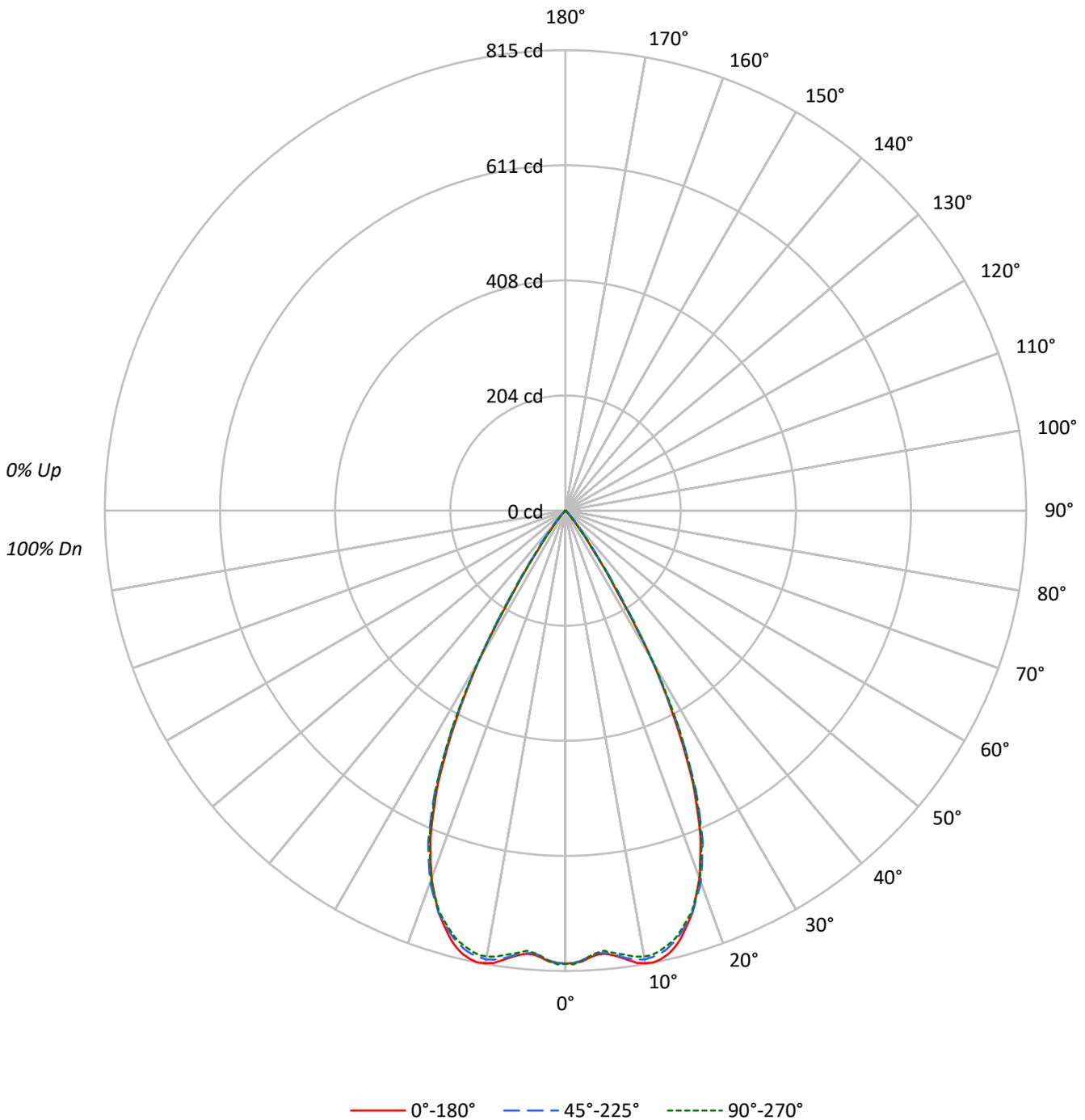
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 615.0 lumens  
Efficiency: N/A  
Efficacy: 85.4 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
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 (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: P1307864  
CATALOG NUMBER: LDSQA3D05R559027DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1307864

CATALOG NUMBER: LDSQA3D05R559027DE010 3LSQCDR1MW

**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	109	107	112	109	107	105	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	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

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

	0°	45°	90°
0°	138123	138123	138123
5°	136143	135901	135244
10°	142299	141075	140166
15°	140071	138823	138234
20°	127010	128293	127358
25°	101569	103698	102728
30°	60913	60913	61648
35°	17598	20835	18186
40°	5036	6835	5036
45°	1145	2630	1145
50°	509	884	375
55°	420	420	420
60°	482	482	482
65°	367	367	367
70°	453	453	453
75°	333	333	333
80°	496	496	496
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2630 cd/sqm



TEST NUMBER: P1307864

CATALOG NUMBER: LDSQA3D05R559027DE010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.0	12.4
10°-20°	216.7	35.2
20°-30°	238.8	38.8
30°-40°	73.0	11.9
40°-50°	7.2	1.2
50°-60°	1.3	0.2
60°-70°	1.0	0.2
70°-80°	0.6	0.1
80°-90°	0.2	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
<hr/>		
0°-30°	531.6	86.4
0°-40°	604.6	98.3
0°-60°	613.2	99.7
0°-90°	615.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	615.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	802	802	802	802	802	
5°	788	788	786	784	782	76
15°	786	784	779	775	775	218
25°	534	540	546	551	541	236
35°	84	88	99	91	86	69
45°	5	7	11	7	5	6
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1307864

CATALOG NUMBER: LDSQA3D05R559027DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	802.0	802.0	802.0	802.0	802.0
1°	801.0	801.5	801.0	800.1	803.4
2°	799.2	798.7	797.3	796.8	798.2
3°	793.1	793.1	791.2	790.3	790.8
4°	788.4	788.4	785.6	784.7	785.1
5°	787.5	787.5	786.1	783.7	782.3
6°	791.2	792.2	788.9	786.5	786.5
7°	796.8	797.3	795.0	791.7	790.8
8°	803.8	804.3	800.6	796.8	795.0
9°	810.9	809.9	804.8	801.0	799.6
10°	813.7	813.2	806.7	802.9	801.5
11°	815.1	812.7	805.2	802.0	801.5
12°	811.8	809.9	802.0	798.7	797.3
13°	806.2	803.4	796.8	793.6	791.7
14°	797.3	794.5	788.4	784.7	785.1
15°	785.6	784.2	778.6	775.3	775.3
17.5°	746.8	747.7	746.3	744.9	744.0
20°	693.0	696.8	700.0	698.2	694.9
22.5°	624.3	630.8	634.6	635.5	629.4
25°	534.5	539.6	545.7	550.9	540.6
27.5°	422.7	427.4	433.0	436.3	434.9
30°	306.3	306.8	306.3	312.4	310.0
32.5°	170.2	184.2	186.6	190.8	175.8
35°	83.7	87.9	99.1	91.2	86.5
37.5°	40.2	43.0	53.8	44.0	42.1
40°	22.4	24.3	30.4	25.3	22.4
42.5°	10.8	14.0	16.4	14.5	10.8
45°	4.7	7.0	10.8	7.0	4.7
47.5°	1.9	2.8	6.5	2.8	1.9
50°	1.9	1.4	3.3	1.4	1.4
52.5°	1.4	1.4	1.9	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	1.4
60°	1.4	1.4	1.4	1.4	1.4
62.5°	0.9	1.4	1.4	1.4	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.5	0.9	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5
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: P1307864  
CATALOG NUMBER: LDSQA3D05R559027DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)