

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: P1306892

Luminaire Tested: LDSQA3D05R559024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

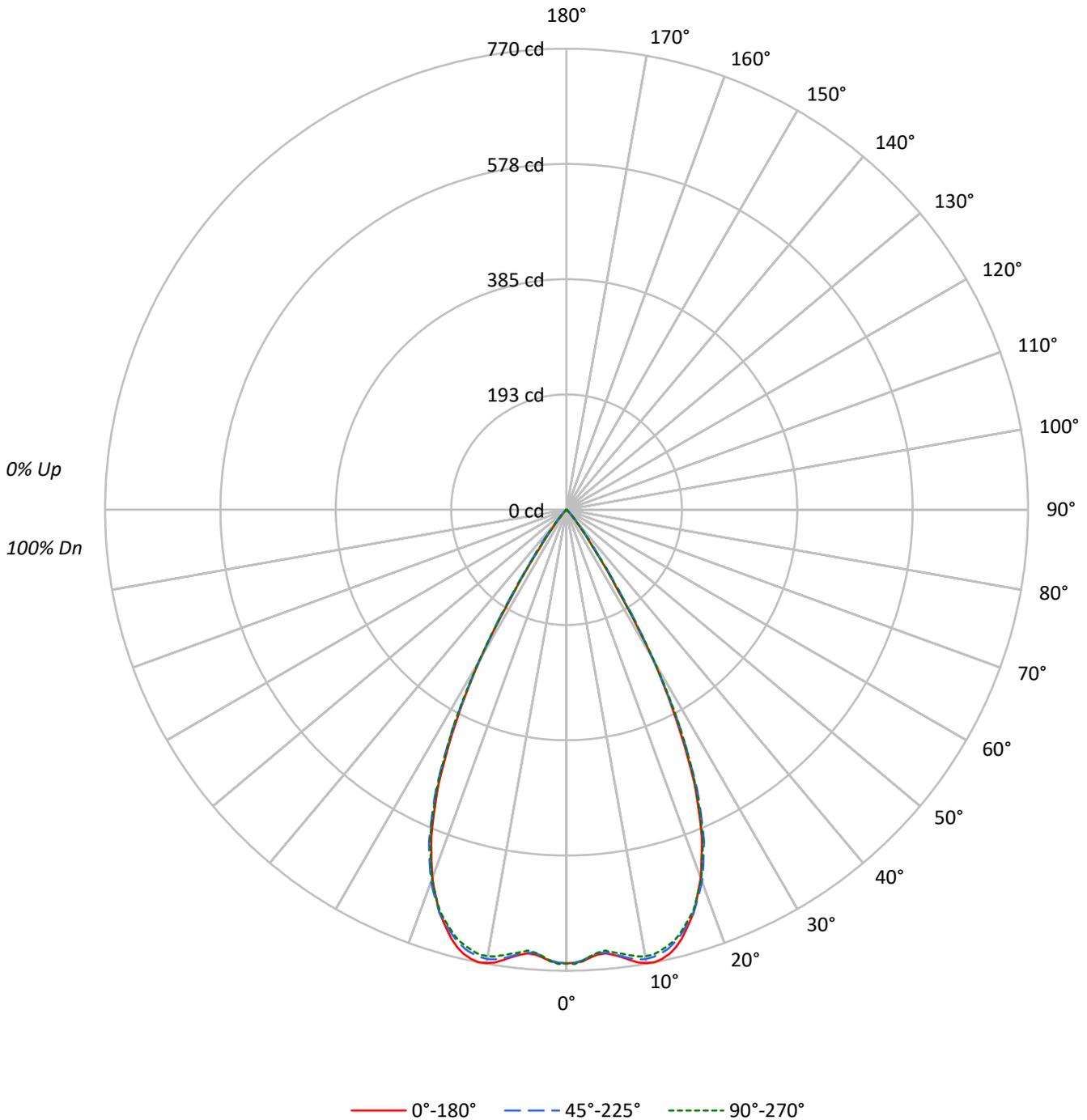
Test Method: LM-79-2019  
Report Number: P1306892  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R559024DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 581.0 lumens  
Efficiency: N/A  
Efficacy: 80.7 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

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### Luminous Intensity Polar Plot





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**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	80	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°	130476	130476	130476
5°	128606	128381	127776
10°	134430	133276	132419
15°	132333	131156	130603
20°	119990	121200	120320
25°	95944	97959	97047
30°	57552	57552	58248
35°	16630	19700	17177
40°	4766	6452	4766
45°	1072	2484	1072
50°	482	831	348
55°	390	390	390
60°	448	448	448
65°	367	367	367
70°	453	453	453
75°	266	266	266
80°	397	397	397
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2484 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.8	12.4
10°-20°	204.8	35.2
20°-30°	225.6	38.8
30°-40°	69.0	11.9
40°-50°	6.8	1.2
50°-60°	1.2	0.2
60°-70°	1.0	0.2
70°-80°	0.5	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
0°-30°	502.2	86.4
0°-40°	571.2	98.3
0°-60°	579.3	99.7
0°-90°	581.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	581.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	758	758	758	758	758	
5°	744	744	743	740	739	72
15°	742	741	736	732	732	206
25°	505	510	516	520	511	222
35°	79	83	94	86	82	65
45°	4	7	10	7	4	5
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	757.6	757.6	757.6	757.6	757.6
1°	756.8	757.2	756.8	755.9	759.0
2°	755.0	754.5	753.2	752.8	754.1
3°	749.2	749.2	747.5	746.6	747.0
4°	744.8	744.8	742.2	741.3	741.7
5°	743.9	743.9	742.6	740.4	739.1
6°	747.5	748.4	745.3	743.1	743.1
7°	752.8	753.2	751.0	747.9	747.0
8°	759.4	759.8	756.3	752.8	751.0
9°	766.0	765.1	760.3	756.8	755.4
10°	768.7	768.2	762.1	758.5	757.2
11°	770.0	767.8	760.7	757.6	757.2
12°	766.9	765.1	757.6	754.5	753.2
13°	761.6	759.0	752.8	749.7	747.9
14°	753.2	750.6	744.8	741.3	741.7
15°	742.2	740.9	735.6	732.5	732.5
17.5°	705.5	706.4	705.1	703.7	702.9
20°	654.7	658.2	661.3	659.6	656.5
22.5°	589.8	596.0	599.5	600.4	594.6
25°	504.9	509.8	515.5	520.4	510.7
27.5°	399.4	403.8	409.1	412.2	410.8
30°	289.4	289.8	289.4	295.1	292.9
32.5°	160.8	174.1	176.3	180.2	166.1
35°	79.1	83.1	93.7	86.1	81.7
37.5°	38.0	40.6	50.8	41.5	39.8
40°	21.2	23.0	28.7	23.9	21.2
42.5°	10.2	13.3	15.5	13.7	10.2
45°	4.4	6.6	10.2	6.6	4.4
47.5°	1.8	2.7	6.2	2.7	1.8
50°	1.8	1.3	3.1	1.3	1.3
52.5°	1.3	1.3	1.8	1.3	1.3
55°	1.3	1.3	1.3	1.3	1.3
57.5°	1.3	1.3	1.3	1.3	1.3
60°	1.3	1.3	1.3	1.3	1.3
62.5°	0.9	1.3	1.3	1.3	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°	0.4	0.9	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)