

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: P1312306

Luminaire Tested: LDSQA3D05R559050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312306  
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: LDSQA3D05R559050DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

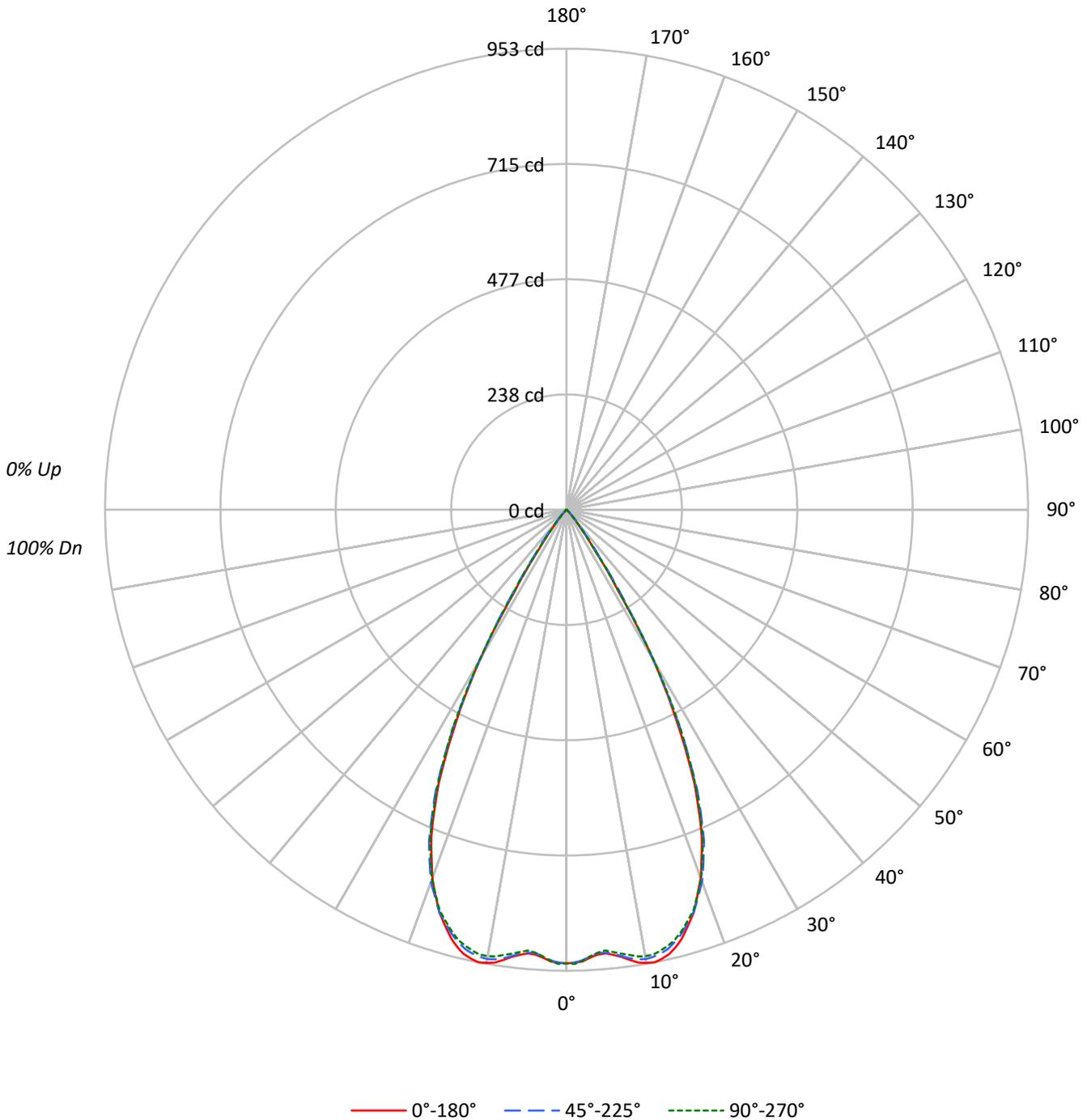
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 718.9 lumens  
Efficiency: N/A  
Efficacy: 99.8 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				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°	161476	161476	161476
5°	159154	158877	158117
10°	166363	164929	163862
15°	163767	162305	161609
20°	148490	149993	148893
25°	118748	121237	120097
30°	71214	71214	72089
35°	20583	24367	21256
40°	5890	7981	5890
45°	1340	3069	1340
50°	589	1018	429
55°	480	480	480
60°	551	551	551
65°	448	448	448
70°	554	554	554
75°	333	333	333
80°	496	496	496
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3069 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.9	12.4
10°-20°	253.4	35.2
20°-30°	279.2	38.8
30°-40°	85.4	11.9
40°-50°	8.4	1.2
50°-60°	1.5	0.2
60°-70°	1.2	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
0°-30°	621.4	86.4
0°-40°	706.8	98.3
0°-60°	716.8	99.7
0°-90°	718.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	718.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	938	938	938	938	938	
5°	921	921	919	916	915	89
15°	918	917	910	906	906	255
25°	625	631	638	644	632	275
35°	98	103	116	107	101	80
45°	6	8	13	8	6	6
55°	2	2	2	2	2	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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	937.6	937.6	937.6	937.6	937.6
1°	936.5	937.0	936.5	935.4	939.2
2°	934.3	933.8	932.1	931.6	933.2
3°	927.2	927.2	925.0	923.9	924.5
4°	921.7	921.7	918.5	917.4	917.9
5°	920.6	920.6	919.0	916.3	914.6
6°	925.0	926.1	922.3	919.6	919.6
7°	931.6	932.1	929.4	925.6	924.5
8°	939.8	940.3	936.0	931.6	929.4
9°	948.0	946.9	940.9	936.5	934.9
10°	951.3	950.7	943.1	938.7	937.0
11°	952.9	950.2	941.4	937.6	937.0
12°	949.1	946.9	937.6	933.8	932.1
13°	942.5	939.2	931.6	927.8	925.6
14°	932.1	928.8	921.7	917.4	917.9
15°	918.5	916.8	910.3	906.4	906.4
17.5°	873.1	874.2	872.5	870.9	869.8
20°	810.2	814.6	818.4	816.2	812.4
22.5°	729.8	737.5	741.9	743.0	735.9
25°	624.9	630.9	638.0	644.0	632.0
27.5°	494.2	499.7	506.2	510.1	508.4
30°	358.1	358.6	358.1	365.2	362.5
32.5°	199.0	215.4	218.1	223.1	205.6
35°	97.9	102.8	115.9	106.6	101.1
37.5°	47.0	50.3	62.9	51.4	49.2
40°	26.2	28.4	35.5	29.5	26.2
42.5°	12.6	16.4	19.1	16.9	12.6
45°	5.5	8.2	12.6	8.2	5.5
47.5°	2.2	3.3	7.7	3.3	2.2
50°	2.2	1.6	3.8	1.6	1.6
52.5°	1.6	1.6	2.2	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.6	1.6	1.6	1.6	1.6
62.5°	1.1	1.6	1.6	1.6	1.1
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	0.5	1.1	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



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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)