

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: P1313395

Luminaire Tested: LDSQA3D05R459727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313395  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R459727DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

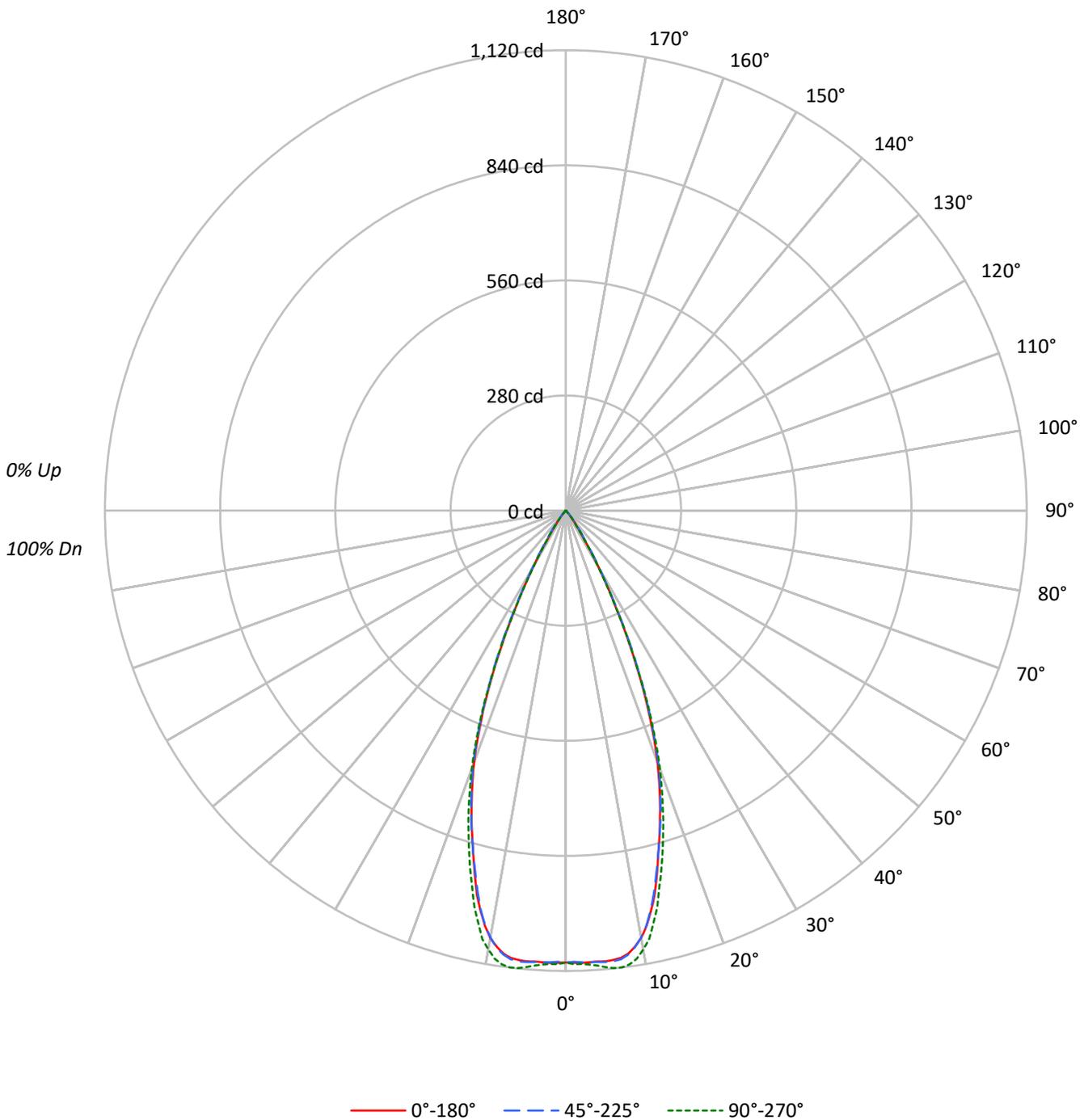
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 569.0 lumens  
Efficiency: N/A  
Efficacy: 79.0 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67  
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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

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

	0°	45°	90°
0°	189342	189342	189342
5°	190272	190635	192814
10°	184638	184480	189622
15°	154727	154656	160343
20°	119624	120852	122538
25°	73331	74852	73483
30°	31441	32872	30446
35°	9882	11900	9608
40°	3395	4339	3305
45°	609	1851	511
50°	348	670	348
55°	390	390	390
60°	276	276	276
65°	326	326	326
70°	201	201	201
75°	266	266	266
80°	397	397	397
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1851 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.5	18.4
10°-20°	241.4	42.4
20°-30°	176.8	31.1
30°-40°	39.1	6.9
40°-50°	4.8	0.8
50°-60°	1.2	0.2
60°-70°	0.8	0.1
70°-80°	0.4	0.1
80°-90°	0.1	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°	522.7	91.9
0°-40°	561.8	98.7
0°-60°	567.7	99.8
0°-90°	569.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	569.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1099	1099	1099	1099	1099	
5°	1101	1100	1103	1111	1115	104
15°	868	863	867	888	899	239
25°	386	386	394	391	387	175
35°	47	50	57	50	46	37
45°	2	4	8	4	2	3
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°	1099.4	1099.4	1099.4	1099.4	1099.4
1°	1100.2	1098.5	1098.1	1101.1	1103.2
2°	1101.1	1099.0	1099.4	1102.3	1103.6
3°	1100.2	1098.1	1100.2	1104.4	1106.1
4°	1099.8	1099.0	1101.1	1106.9	1109.9
5°	1100.6	1099.8	1102.7	1110.7	1115.3
6°	1099.4	1098.1	1102.3	1112.4	1119.1
7°	1096.4	1095.2	1099.8	1112.0	1119.5
8°	1088.5	1086.0	1090.6	1105.7	1114.9
9°	1074.2	1070.9	1075.5	1093.1	1104.0
10°	1055.8	1052.0	1054.9	1072.1	1084.3
11°	1029.3	1024.3	1027.7	1046.1	1062.1
12°	995.8	988.7	992.8	1013.8	1025.1
13°	959.3	952.6	953.4	972.3	988.2
14°	914.0	905.2	909.0	928.7	941.3
15°	867.8	863.2	867.4	888.4	899.3
17.5°	762.1	761.7	765.5	781.0	786.9
20°	652.7	653.9	659.4	667.8	668.6
22.5°	523.1	523.5	529.3	535.2	534.0
25°	385.9	385.5	393.9	390.9	386.7
27.5°	255.9	257.5	265.1	259.6	255.4
30°	158.1	161.5	165.3	158.6	153.1
32.5°	85.6	91.0	96.5	90.6	85.1
35°	47.0	49.5	56.6	49.5	45.7
37.5°	27.3	28.5	33.1	28.5	26.0
40°	15.1	17.2	19.3	17.2	14.7
42.5°	6.3	9.6	11.7	9.6	6.3
45°	2.5	4.2	7.6	4.2	2.1
47.5°	1.3	1.7	4.6	1.7	1.3
50°	1.3	1.3	2.5	1.3	1.3
52.5°	1.3	1.3	1.3	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°	0.8	0.8	0.8	1.3	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.4	0.4	0.4	0.8	0.4
72.5°	0.4	0.4	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°	0.0	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



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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)