

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: P1313322

Luminaire Tested: LDSQA3D05R209727DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313322  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R209727DE010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

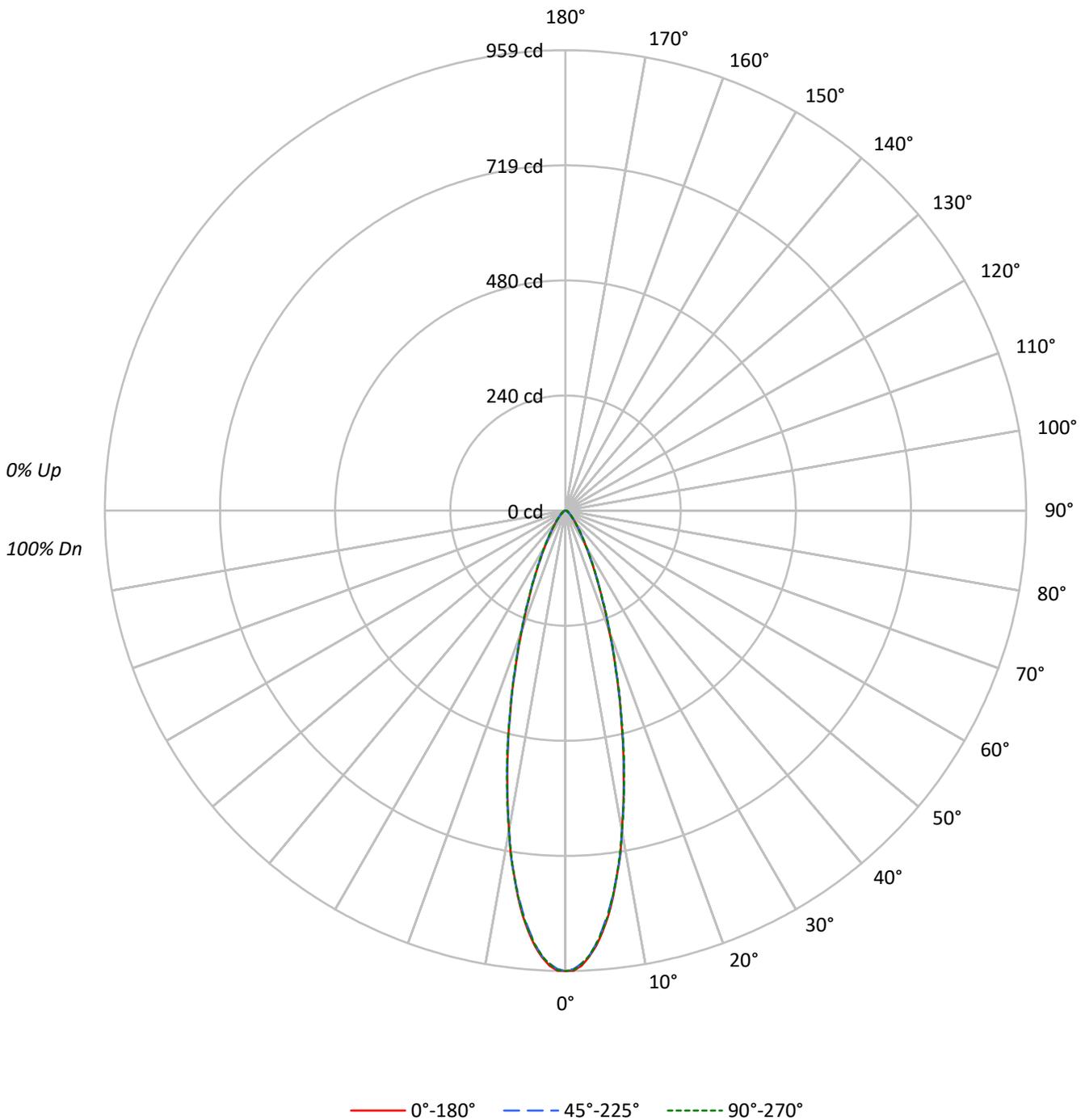
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 337.0 lumens  
Efficiency: N/A  
Efficacy: 46.8 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5  
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

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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	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	73	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	71	67	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	68	65	62	61

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

	0°	45°	90°
0°	165162	165162	165162
5°	152360	151495	151997
10°	118236	118376	118376
15°	79913	80288	80288
20°	48531	49154	49374
25°	28466	28865	28789
30°	16605	16943	17023
35°	10155	10407	10407
40°	6610	6700	6790
45°	4603	4701	4798
50°	3376	3483	3483
55°	2642	2762	2762
60°	2308	2308	2446
65°	2038	2038	2241
70°	1913	1913	1913
75°	1664	1664	1664
80°	1289	1289	1686
85°	790	790	1581

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 4798 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.3	22.9
10°-20°	123.8	36.7
20°-30°	71.7	21.3
30°-40°	32.2	9.5
40°-50°	15.2	4.5
50°-60°	8.3	2.5
60°-70°	5.1	1.5
70°-80°	2.7	0.8
80°-90°	0.6	0.2
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°	272.9	81.0
0°-40°	305.0	90.5
0°-60°	328.6	97.5
0°-90°	337.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	337.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	959	959	959	959	959	
5°	881	878	876	878	879	78
15°	448	448	450	448	450	123
25°	150	150	152	151	152	71
35°	48	49	50	50	50	31
45°	19	19	19	19	20	15
55°	9	9	9	9	9	8
65°	5	5	5	5	6	5
75°	2	2	2	2	2	3
85°	0	0	0	0	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	959.0	959.0	959.0	959.0	959.0
1°	958.5	956.0	955.2	954.3	956.9
2°	948.9	945.9	944.3	945.1	945.5
3°	931.7	930.0	930.0	928.7	929.6
4°	909.4	906.1	906.1	906.5	906.5
5°	881.3	878.4	876.3	878.0	879.2
6°	849.8	846.1	844.4	844.8	847.7
7°	811.2	806.2	807.0	809.1	809.1
8°	767.6	767.2	768.0	767.2	768.0
9°	727.3	721.4	726.5	722.3	724.4
10°	676.1	675.7	676.9	678.2	676.9
12.5°	559.4	561.5	562.4	560.7	564.5
15°	448.2	448.2	450.3	448.2	450.3
17.5°	348.7	348.3	350.0	348.3	350.8
20°	264.8	267.8	268.2	268.2	269.4
22.5°	199.8	199.8	201.4	201.9	201.0
25°	149.8	149.8	151.9	150.7	151.5
27.5°	110.8	111.6	113.3	114.2	114.2
30°	83.5	83.9	85.2	85.6	85.6
32.5°	63.0	63.8	64.6	65.0	65.5
35°	48.3	48.7	49.5	49.9	49.5
37.5°	36.9	37.4	38.2	38.6	38.6
40°	29.4	29.4	29.8	30.2	30.2
42.5°	23.1	23.5	23.5	23.9	23.9
45°	18.9	18.9	19.3	19.3	19.7
47.5°	15.1	15.1	15.5	15.9	15.9
50°	12.6	12.6	13.0	13.0	13.0
52.5°	10.5	10.5	10.9	10.9	10.9
55°	8.8	8.8	9.2	9.2	9.2
57.5°	7.6	7.6	8.0	8.0	8.0
60°	6.7	6.7	6.7	6.7	7.1
62.5°	5.9	5.9	5.9	5.9	5.9
65°	5.0	5.0	5.0	5.0	5.5
67.5°	4.2	4.2	4.2	4.2	4.6
70°	3.8	3.8	3.8	3.8	3.8
72.5°	2.9	2.9	2.9	3.4	3.4
75°	2.5	2.5	2.5	2.5	2.5
77.5°	2.1	2.1	2.1	2.1	2.1
80°	1.3	1.3	1.3	1.7	1.7
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)