

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: P1307633

Luminaire Tested: LDSQA3D02R309027DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

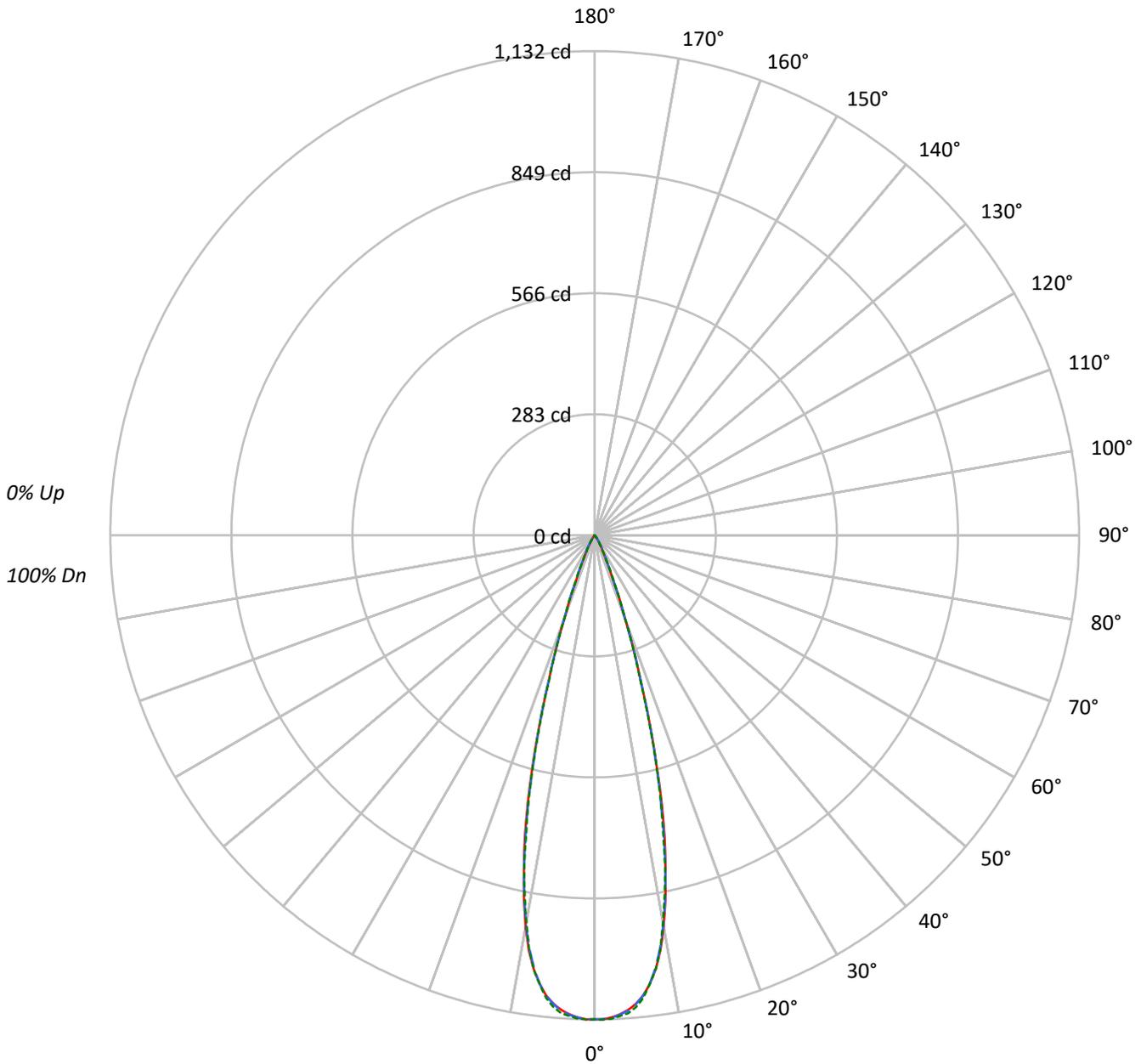
Test Method: LM-79-2019  
Report Number: P1307633  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R309027DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 292.0 lumens  
Efficiency: N/A  
Efficacy: 81.1 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 3.6  
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



0% Up  
100% Dn

— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	100	100	100	100
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	99	99	99	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	95	94	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	91	89	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	87	84	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	84	82	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	82	80	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	80	78	76	75

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

	0°	45°	90°
0°	194887	194887	194887
5°	190134	190376	191431
10°	162393	161641	160679
15°	100221	99045	99401
20°	37883	38085	38048
25°	11649	12770	12162
30°	4693	5966	4872
35°	1388	2523	1430
40°	562	1012	562
45°	122	341	122
50°	0	54	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 341 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.8	34.2
10°-20°	147.8	50.6
20°-30°	36.7	12.6
30°-40°	6.9	2.4
40°-50°	0.9	0.3
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	284.3	97.3
0°-40°	291.1	99.7
0°-60°	292.0	100.0
0°-90°	292.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	292.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1132	1132	1132	1132	1132	
5°	1100	1099	1101	1103	1107	100
15°	562	557	556	560	558	149
25°	61	65	67	67	64	35
35°	7	9	12	9	7	6
45°	0	1	1	1	0	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
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°	1131.6	1131.6	1131.6	1131.6	1131.6
1°	1132.1	1131.2	1131.2	1129.8	1132.3
2°	1128.0	1127.1	1128.7	1127.5	1130.7
3°	1121.9	1120.7	1123.0	1123.7	1125.3
4°	1112.8	1111.9	1114.4	1115.7	1120.1
5°	1099.8	1099.4	1101.2	1103.0	1107.3
6°	1082.1	1081.4	1082.6	1084.9	1087.6
7°	1056.5	1055.1	1056.0	1056.5	1057.1
8°	1024.0	1021.9	1020.8	1023.3	1024.7
9°	982.2	979.9	977.4	976.5	979.7
10°	928.6	925.2	924.3	922.0	918.8
11°	866.4	863.7	863.0	858.9	857.1
12°	795.1	793.7	795.3	792.8	791.9
13°	726.7	718.1	717.0	712.2	709.7
14°	645.9	637.9	637.7	635.2	638.6
15°	562.1	556.6	555.5	559.8	557.5
17.5°	358.4	362.0	361.1	358.8	355.0
20°	206.7	204.2	207.8	208.7	207.6
22.5°	110.1	111.1	111.7	114.5	116.3
25°	61.3	65.4	67.2	67.0	64.0
27.5°	38.2	40.7	44.1	41.8	39.3
30°	23.6	25.7	30.0	25.9	24.5
32.5°	12.7	16.1	19.3	16.1	13.2
35°	6.6	8.6	12.0	8.9	6.8
37.5°	4.3	5.0	7.7	5.0	4.3
40°	2.5	3.2	4.5	3.2	2.5
42.5°	1.1	1.8	2.5	1.8	1.1
45°	0.5	0.7	1.4	0.9	0.5
47.5°	0.0	0.2	0.7	0.2	0.0
50°	0.0	0.0	0.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
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)