

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: P1309249

Luminaire Tested: LDSQA3D13R309030DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309249  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R309030DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

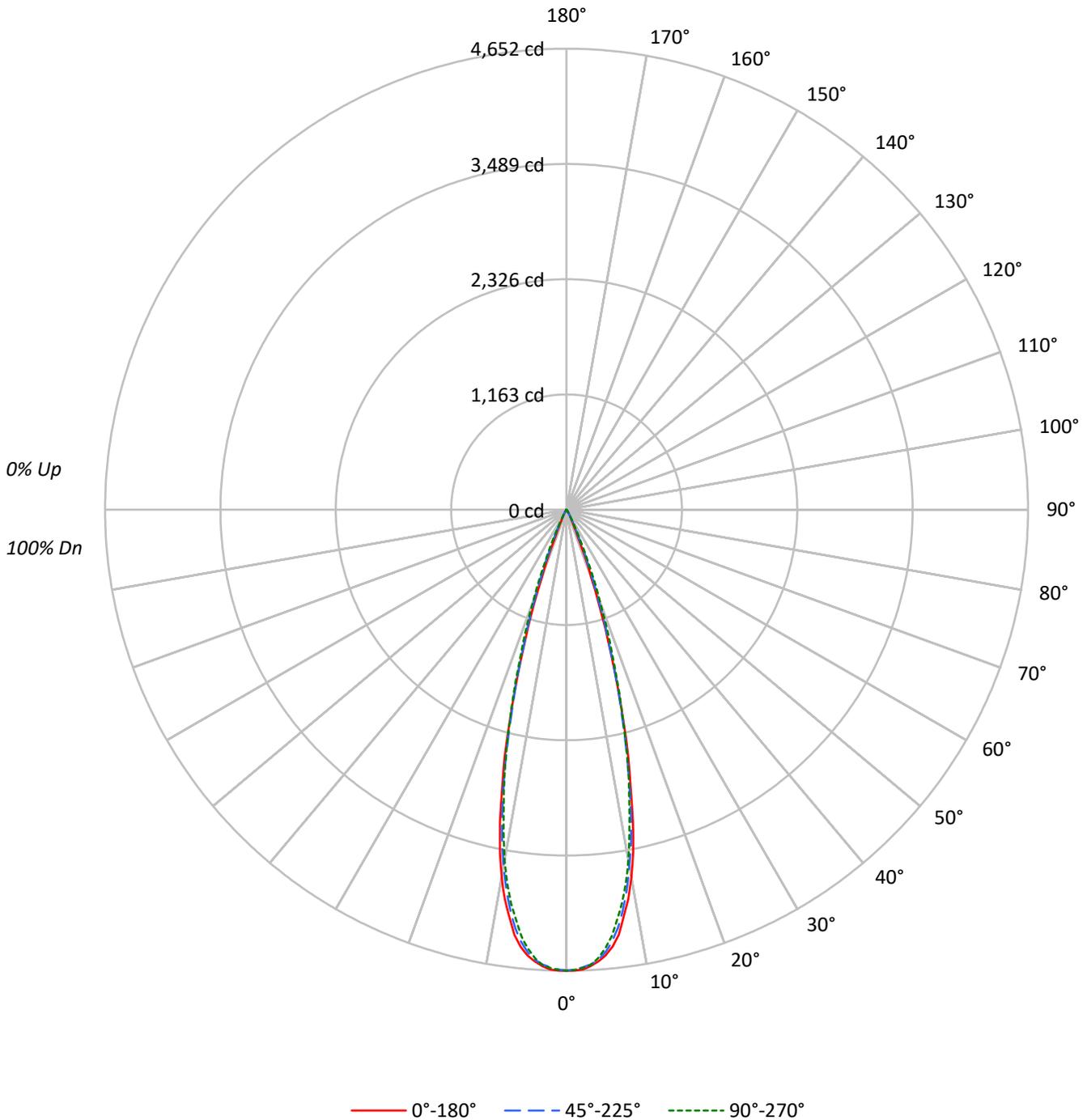
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1127.0 lumens  
Efficiency: N/A  
Efficacy: 77.2 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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	100	100	100	100
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	87	87	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	84	84	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	82	82	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	80	80	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76	76

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

	0°	45°	90°
0°	801042	801042	801042
5°	780417	775041	768661
10°	658596	638380	628010
15°	396891	385801	392897
20°	134616	155454	179317
25°	24741	38765	45796
30°	8511	9466	10619
35°	2460	3070	3259
40°	652	1102	877
45°	244	244	244
50°	268	0	268
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: 0°

Vertical Angle: 52.5°

Luminance: 283 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	402.2	35.7
10°-20°	587.8	52.2
20°-30°	124.4	11.0
30°-40°	11.5	1.0
40°-50°	1.1	0.1
50°-60°	0.1	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°	1114.4	98.9
0°-40°	1125.8	99.9
0°-60°	1127.0	100.0
0°-90°	1127.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1127.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4651	4651	4651	4651	4651	
5°	4514	4505	4483	4470	4446	408
15°	2226	2218	2164	2214	2204	587
25°	130	146	204	240	241	95
35°	12	15	15	18	16	10
45°	1	1	1	1	1	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°	4651.2	4651.2	4651.2	4651.2	4651.2
1°	4652.1	4647.3	4640.5	4650.2	4643.4
2°	4642.4	4630.8	4621.1	4630.8	4627.9
3°	4613.3	4603.6	4596.8	4601.6	4601.6
4°	4569.6	4558.9	4553.0	4554.0	4539.4
5°	4514.2	4505.4	4483.1	4469.5	4446.2
6°	4432.6	4411.2	4384.0	4361.6	4331.5
7°	4321.8	4288.8	4249.9	4211.0	4173.1
8°	4144.0	4128.4	4076.0	4049.7	4011.8
9°	3976.9	3939.0	3882.6	3839.9	3819.5
10°	3766.0	3709.7	3650.4	3616.4	3591.1
11°	3516.3	3459.0	3411.4	3361.8	3323.0
12°	3222.9	3174.3	3119.9	3086.9	3041.2
13°	2875.0	2868.2	2807.0	2796.3	2790.5
14°	2576.8	2549.5	2489.3	2505.8	2509.7
15°	2226.0	2218.2	2163.8	2214.3	2203.6
17.5°	1394.3	1397.2	1431.2	1510.9	1536.1
20°	734.5	756.9	848.2	944.4	978.4
22.5°	297.3	346.9	440.1	505.2	549.0
25°	130.2	145.7	204.0	240.0	241.0
27.5°	73.8	74.8	98.1	102.0	104.0
30°	42.8	43.7	47.6	50.5	53.4
32.5°	23.3	25.3	26.2	30.1	30.1
35°	11.7	14.6	14.6	17.5	15.5
37.5°	6.8	7.8	8.7	8.7	7.8
40°	2.9	3.9	4.9	4.9	3.9
42.5°	1.0	1.9	1.9	1.9	2.9
45°	1.0	1.0	1.0	1.0	1.0
47.5°	1.0	1.0	0.0	1.0	1.0
50°	1.0	0.0	0.0	0.0	1.0
52.5°	1.0	0.0	0.0	0.0	1.0
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)