

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: P1309353

Luminaire Tested: LDSQA3D17R159030DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309353  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R159030DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

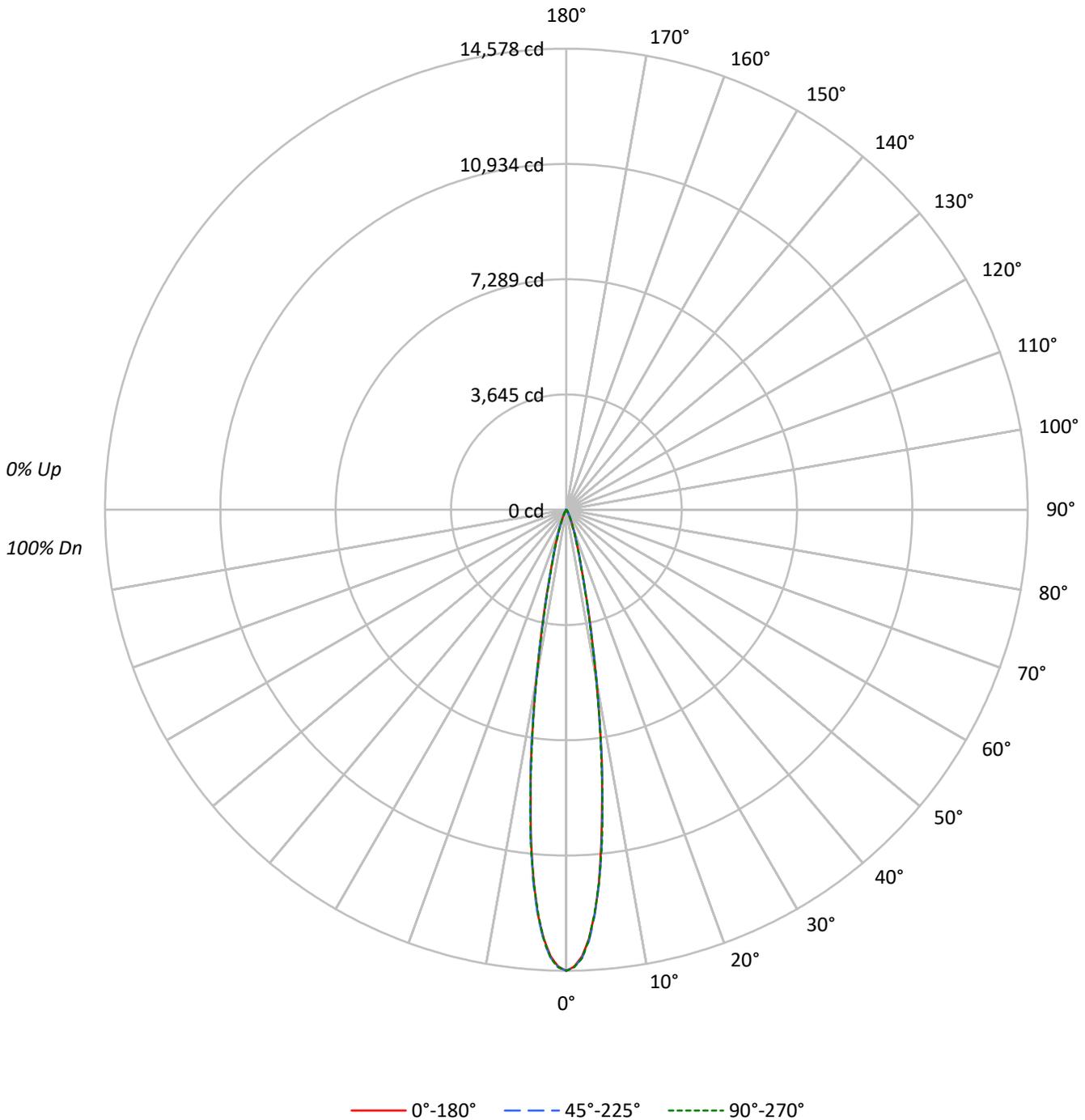
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1627.0 lumens  
Efficiency: N/A  
Efficacy: 76.7 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	96	95	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	95	93	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	93	91	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	92	90	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	90	88	86
9	97	92	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	89	87	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	88	85	83

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

	0°	45°	90°
0°	2510644	2510644	2510644
5°	2044122	2050795	2046801
10°	953530	962082	949945
15°	299434	301948	300111
20°	118634	123344	114859
25°	47925	57958	46214
30°	19191	26350	18176
35°	5677	11627	5403
40°	1731	4339	1439
45°	317	950	317
50°	0	348	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: 950 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	912.7	56.1
10°-20°	545.9	33.6
20°-30°	137.7	8.5
30°-40°	28.1	1.7
40°-50°	2.6	0.2
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°	1596.2	98.1
0°-40°	1624.3	99.8
0°-60°	1627.0	100.0
0°-90°	1627.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1627.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	14578	14578	14578	14578	14578	
5°	11824	11802	11862	11833	11839	910
15°	1679	1694	1694	1669	1683	546
25°	252	275	305	270	243	130
35°	27	36	55	35	26	22
45°	1	3	4	3	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°	14577.9	14577.9	14577.9	14577.9	14577.9
1°	14446.6	14495.5	14469.8	14490.4	14467.2
2°	14133.9	14199.5	14178.9	14172.5	14190.5
3°	13583.1	13659.0	13656.5	13637.1	13606.3
4°	12831.6	12800.7	12848.3	12843.1	12790.4
5°	11823.9	11802.0	11862.5	11832.9	11839.4
6°	10591.1	10686.3	10665.7	10668.3	10692.7
7°	9266.9	9318.4	9362.1	9398.1	9348.0
8°	8050.8	8037.9	8041.8	8082.9	7944.0
9°	6689.2	6769.0	6717.6	6635.2	6688.0
10°	5452.5	5501.4	5501.4	5429.4	5432.0
11°	4347.1	4387.0	4358.7	4376.7	4263.5
12°	3504.2	3405.1	3381.9	3400.0	3398.7
13°	2675.4	2681.9	2675.4	2674.2	2661.3
14°	2097.6	2131.1	2116.9	2082.2	2066.7
15°	1679.4	1693.5	1693.5	1669.1	1683.2
17.5°	1008.9	1025.6	1029.5	1012.8	1012.8
20°	647.3	655.0	673.0	648.6	626.7
22.5°	398.9	415.7	446.5	410.5	392.5
25°	252.2	275.4	305.0	270.2	243.2
27.5°	158.3	177.6	203.3	169.9	153.1
30°	96.5	109.4	132.5	106.8	91.4
32.5°	54.0	64.3	83.6	61.8	51.5
35°	27.0	36.0	55.3	34.7	25.7
37.5°	15.4	19.3	34.7	16.7	14.2
40°	7.7	10.3	19.3	10.3	6.4
42.5°	2.6	5.1	7.7	5.1	2.6
45°	1.3	2.6	3.9	2.6	1.3
47.5°	0.0	0.0	1.3	0.0	0.0
50°	0.0	0.0	1.3	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)