

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: P1309197

Luminaire Tested: LDSQA3D13R159030DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309197  
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: LDSQA3D13R159030DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

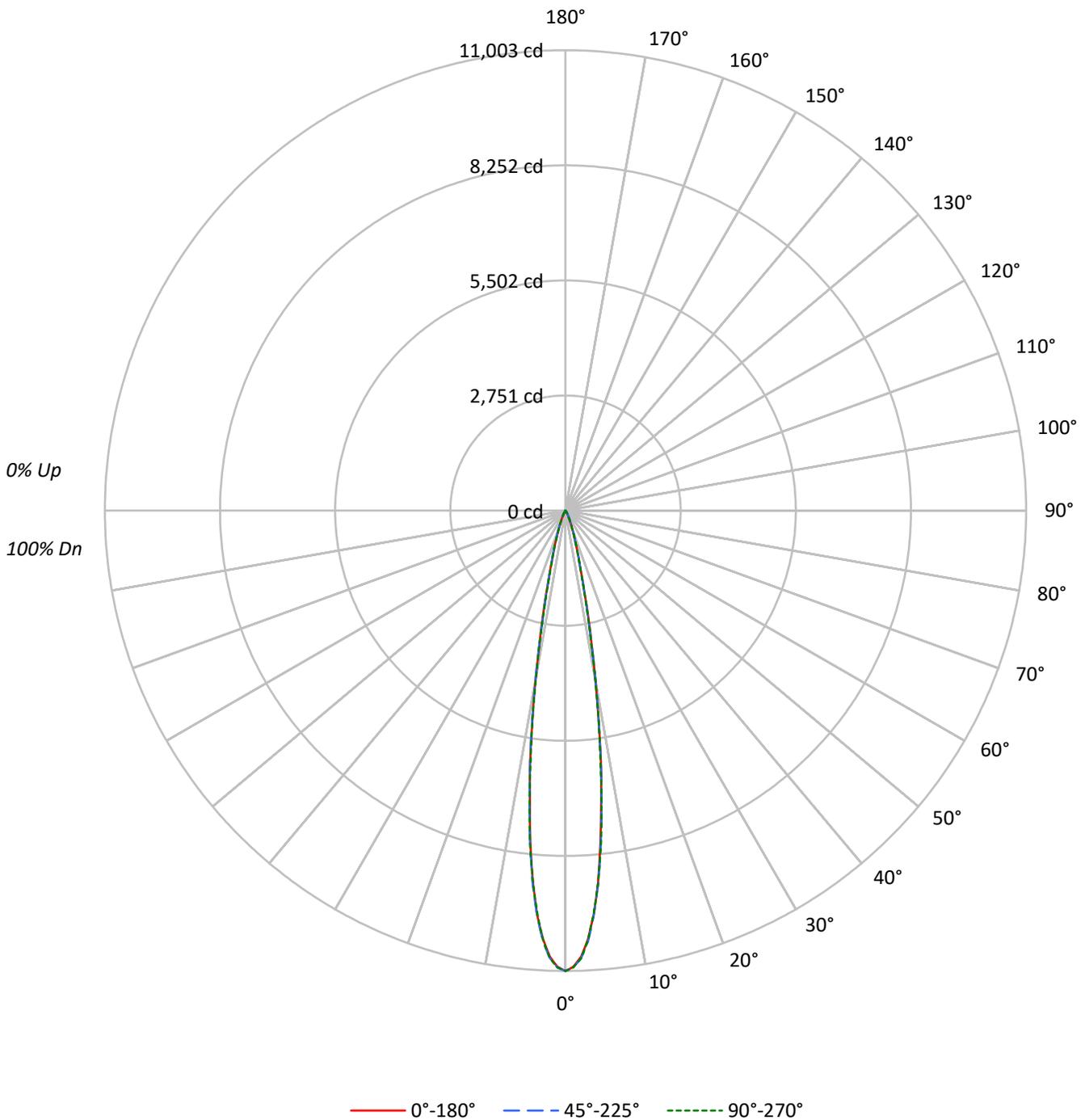
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1228.0 lumens  
Efficiency: N/A  
Efficacy: 84.1 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): 14.6  
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





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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	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	91	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	87	87	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	85	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	84	84	83

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

	0°	45°	90°
0°	1894931	1894931	1894931
5°	1542837	1547868	1544843
10°	719699	726152	716971
15°	225993	227901	226528
20°	89548	93104	86689
25°	36181	43744	34889
30°	14477	19887	13722
35°	4289	8788	4079
40°	1304	3282	1102
45°	244	706	244
50°	0	268	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: 706 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	688.9	56.1
10°-20°	412.0	33.6
20°-30°	103.9	8.5
30°-40°	21.2	1.7
40°-50°	2.0	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°	1204.8	98.1
0°-40°	1226.0	99.8
0°-60°	1228.0	100.0
0°-90°	1228.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1228.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11003	11003	11003	11003	11003	
5°	8924	8908	8953	8931	8936	687
15°	1268	1278	1278	1260	1270	412
25°	190	208	230	204	184	98
35°	20	27	42	26	19	17
45°	1	2	3	2	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°	11002.8	11002.8	11002.8	11002.8	11002.8
1°	10903.8	10940.7	10921.2	10936.8	10919.3
2°	10667.7	10717.3	10701.7	10696.9	10710.5
3°	10252.0	10309.3	10307.4	10292.8	10269.5
4°	9684.8	9661.5	9697.4	9693.5	9653.7
5°	8924.3	8907.8	8953.4	8931.1	8935.9
6°	7993.8	8065.6	8050.1	8052.0	8070.5
7°	6994.3	7033.2	7066.2	7093.4	7055.5
8°	6076.4	6066.7	6069.6	6100.7	5995.8
9°	5048.8	5109.0	5070.2	5008.0	5047.8
10°	4115.4	4152.3	4152.3	4097.9	4099.8
11°	3281.0	3311.1	3289.8	3303.4	3217.9
12°	2644.8	2570.0	2552.6	2566.2	2565.2
13°	2019.3	2024.2	2019.3	2018.4	2008.6
14°	1583.2	1608.5	1597.8	1571.6	1559.9
15°	1267.5	1278.2	1278.2	1259.8	1270.5
17.5°	761.5	774.1	777.0	764.4	764.4
20°	488.6	494.4	508.0	489.5	473.0
22.5°	301.1	313.7	337.0	309.8	296.2
25°	190.4	207.9	230.2	204.0	183.6
27.5°	119.5	134.0	153.5	128.2	115.6
30°	72.8	82.6	100.0	80.6	69.0
32.5°	40.8	48.6	63.1	46.6	38.9
35°	20.4	27.2	41.8	26.2	19.4
37.5°	11.7	14.6	26.2	12.6	10.7
40°	5.8	7.8	14.6	7.8	4.9
42.5°	1.9	3.9	5.8	3.9	1.9
45°	1.0	1.9	2.9	1.9	1.0
47.5°	0.0	0.0	1.0	0.0	0.0
50°	0.0	0.0	1.0	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)