

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: P1318328

Luminaire Tested: LDSQA3D13R209830DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318328  
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: LDSQA3D13R209830DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

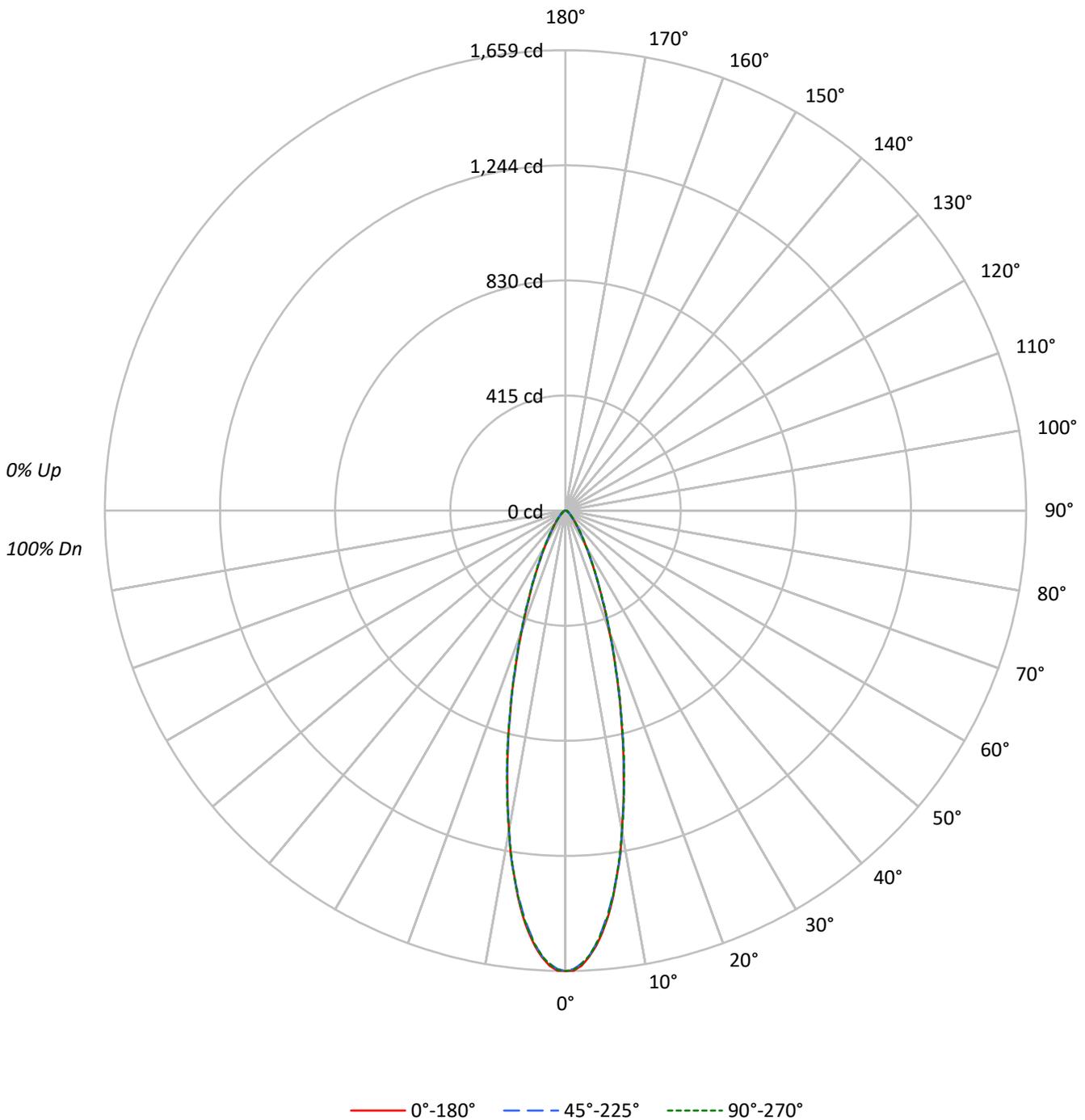
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 583.0 lumens  
Efficiency: N/A  
Efficacy: 40.2 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): 14.5  
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

TEST NUMBER: P1318328  
CATALOG NUMBER: LDSQA3D13R209830DE010 3LSQPHRL1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1318328

CATALOG NUMBER: LDSQA3D13R209830DE010 3LSQPHRL1MW

**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°	285717	285717	285717
5°	263591	262070	262951
10°	204539	204801	204801
15°	138252	138894	138894
20°	83959	85022	85425
25°	49255	49939	49806
30°	28736	29313	29452
35°	17555	18018	18018
40°	11421	11578	11758
45°	7964	8135	8305
50°	5841	6028	6028
55°	4564	4804	4804
60°	3996	3996	4237
65°	3545	3545	3831
70°	3273	3273	3273
75°	2928	2928	2928
80°	2182	2182	2876
85°	1383	1383	2964

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 8305 cd/sqm



TEST NUMBER: P1318328

CATALOG NUMBER: LDSQA3D13R209830DE010 3LSQPHRL1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.8	22.9
10°-20°	214.2	36.7
20°-30°	124.1	21.3
30°-40°	55.6	9.5
40°-50°	26.4	4.5
50°-60°	14.5	2.5
60°-70°	8.8	1.5
70°-80°	4.7	0.8
80°-90°	1.0	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°	472.1	81.0
0°-40°	527.7	90.5
0°-60°	568.5	97.5
0°-90°	583.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	583.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1659	1659	1659	1659	1659	
5°	1525	1520	1516	1519	1521	134
15°	775	775	779	775	779	214
25°	259	259	263	261	262	123
35°	84	84	86	86	86	54
45°	33	33	33	33	34	26
55°	15	15	16	16	16	14
65°	9	9	9	9	9	9
75°	4	4	4	4	4	5
85°	1	1	1	1	2	1
90°	0	0	0	0	0	



TEST NUMBER: P1318328  
 CATALOG NUMBER: LDSQA3D13R209830DE010 3LSQPHRL1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1659.0	1659.0	1659.0	1659.0	1659.0
1°	1658.2	1653.9	1652.4	1651.0	1655.3
2°	1641.5	1636.5	1633.6	1635.0	1635.7
3°	1611.8	1608.9	1608.9	1606.7	1608.1
4°	1573.3	1567.5	1567.5	1568.2	1568.2
5°	1524.7	1519.6	1515.9	1518.8	1521.0
6°	1470.2	1463.7	1460.8	1461.5	1466.6
7°	1403.4	1394.7	1396.1	1399.8	1399.8
8°	1327.9	1327.2	1328.6	1327.2	1328.6
9°	1258.2	1248.0	1256.7	1249.5	1253.1
10°	1169.6	1168.9	1171.1	1173.3	1171.1
12.5°	967.8	971.4	972.9	970.0	976.5
15°	775.4	775.4	779.0	775.4	779.0
17.5°	603.3	602.6	605.5	602.6	607.0
20°	458.1	463.2	463.9	463.9	466.1
22.5°	345.6	345.6	348.5	349.2	347.8
25°	259.2	259.2	262.8	260.6	262.1
27.5°	191.7	193.1	196.0	197.5	197.5
30°	144.5	145.2	147.4	148.1	148.1
32.5°	108.9	110.4	111.8	112.5	113.3
35°	83.5	84.2	85.7	86.4	85.7
37.5°	63.9	64.6	66.1	66.8	66.8
40°	50.8	50.8	51.5	52.3	52.3
42.5°	39.9	40.7	40.7	41.4	41.4
45°	32.7	32.7	33.4	33.4	34.1
47.5°	26.1	26.1	26.9	27.6	27.6
50°	21.8	21.8	22.5	22.5	22.5
52.5°	18.2	18.2	18.9	18.9	18.9
55°	15.2	15.2	16.0	16.0	16.0
57.5°	13.1	13.1	13.8	13.8	13.8
60°	11.6	11.6	11.6	11.6	12.3
62.5°	10.2	10.2	10.2	10.2	10.2
65°	8.7	8.7	8.7	8.7	9.4
67.5°	7.3	7.3	7.3	7.3	8.0
70°	6.5	6.5	6.5	6.5	6.5
72.5°	5.1	5.1	5.1	5.8	5.8
75°	4.4	4.4	4.4	4.4	4.4
77.5°	3.6	3.6	3.6	3.6	3.6
80°	2.2	2.2	2.2	2.9	2.9
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.7	0.7	0.7	0.7	1.5
87.5°	0.0	0.0	0.0	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)