

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: P1319190

Luminaire Tested: LDSQA3D13R159835DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319190  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R159835DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

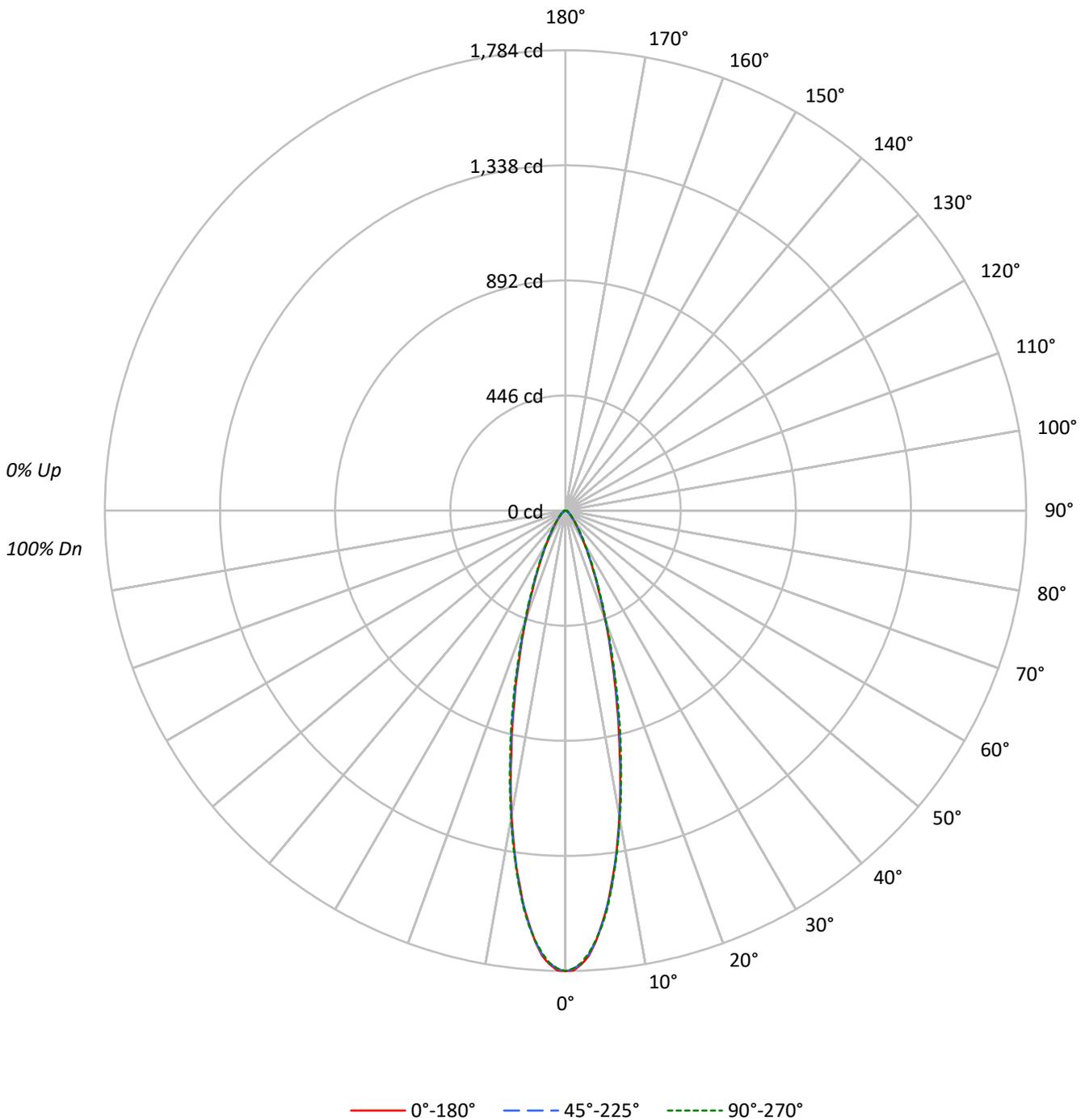
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 590.0 lumens  
Efficiency: N/A  
Efficacy: 40.7 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48  
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 (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

TEST NUMBER: P1319190  
CATALOG NUMBER: LDSQA3D13R159835DE010 3LSQPHRL1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1319190

CATALOG NUMBER: LDSQA3D13R159835DE010 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	97	94	92	94	92	90	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	62	61

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

	0°	45°	90°
0°	307262	307262	307262
5°	278320	278839	279237
10°	210118	210660	211709
15°	136291	137771	140481
20°	82052	83024	84142
25°	47944	48951	49673
30°	28179	29074	29532
35°	17366	17997	18312
40°	11421	11758	11915
45°	7940	8111	8305
50°	5894	6082	6296
55°	4774	5014	5014
60°	4168	4168	4168
65°	3708	3708	3708
70°	3072	3424	3424
75°	2994	2994	2994
80°	2281	2975	2975
85°	1581	1581	1581

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 8305 cd/sqm



TEST NUMBER: P1319190

CATALOG NUMBER: LDSQA3D13R159835DE010 3LSQPHRL1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.5	23.8
10°-20°	214.9	36.4
20°-30°	122.1	20.7
30°-40°	55.7	9.4
40°-50°	26.7	4.5
50°-60°	14.9	2.5
60°-70°	9.1	1.5
70°-80°	4.9	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°	477.5	80.9
0°-40°	533.3	90.4
0°-60°	574.9	97.5
0°-90°	590.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	590.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1784	1784	1784	1784	1784	
5°	1610	1609	1613	1613	1615	140
15°	764	768	773	783	788	212
25°	252	252	258	260	261	120
35°	83	84	86	87	87	54
45°	33	33	33	34	34	26
55°	16	16	17	17	17	15
65°	9	9	9	9	9	9
75°	4	4	4	4	4	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



TEST NUMBER: P1319190

CATALOG NUMBER: LDSQA3D13R159835DE010 3LSQPHRL1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1784.1	1784.1	1784.1	1784.1	1784.1
1°	1782.6	1778.1	1776.5	1775.8	1774.3
2°	1759.9	1756.1	1755.3	1755.3	1754.6
3°	1728.1	1721.2	1722.0	1719.7	1717.5
4°	1674.3	1671.2	1672.8	1674.3	1671.2
5°	1609.9	1609.1	1612.9	1612.9	1615.2
6°	1543.2	1542.5	1540.2	1546.2	1549.3
7°	1458.4	1462.9	1469.0	1465.9	1468.2
8°	1381.1	1375.8	1378.1	1385.6	1386.4
9°	1290.2	1286.4	1296.2	1299.3	1300.0
10°	1201.5	1205.3	1204.6	1215.2	1210.6
12.5°	970.5	976.5	983.4	987.9	992.4
15°	764.4	768.2	772.7	783.3	787.9
17.5°	587.9	592.4	597.0	606.1	607.6
20°	447.7	450.0	453.0	461.4	459.1
22.5°	334.9	338.6	341.7	345.5	347.7
25°	252.3	252.3	257.6	259.9	261.4
27.5°	187.9	189.4	193.2	196.2	195.5
30°	141.7	143.9	146.2	147.7	148.5
32.5°	109.1	109.1	111.4	113.6	114.4
35°	82.6	84.1	85.6	87.1	87.1
37.5°	64.4	65.2	66.7	67.4	67.4
40°	50.8	50.8	52.3	53.0	53.0
42.5°	40.2	40.9	41.7	42.4	42.4
45°	32.6	32.6	33.3	34.1	34.1
47.5°	26.5	26.5	27.3	28.0	28.0
50°	22.0	22.7	22.7	23.5	23.5
52.5°	18.9	18.9	18.9	19.7	19.7
55°	15.9	15.9	16.7	16.7	16.7
57.5°	13.6	13.6	13.6	14.4	14.4
60°	12.1	12.1	12.1	12.1	12.1
62.5°	10.6	10.6	10.6	10.6	10.6
65°	9.1	9.1	9.1	9.1	9.1
67.5°	7.6	7.6	7.6	8.3	8.3
70°	6.1	6.8	6.8	6.8	6.8
72.5°	5.3	5.3	5.3	5.3	5.3
75°	4.5	4.5	4.5	4.5	4.5
77.5°	3.8	3.8	3.8	3.8	3.8
80°	2.3	3.0	3.0	3.0	3.0
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)