

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: P1309036

Luminaire Tested: LDSQA3D09R159030DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309036  
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: LDSQA3D09R159030DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

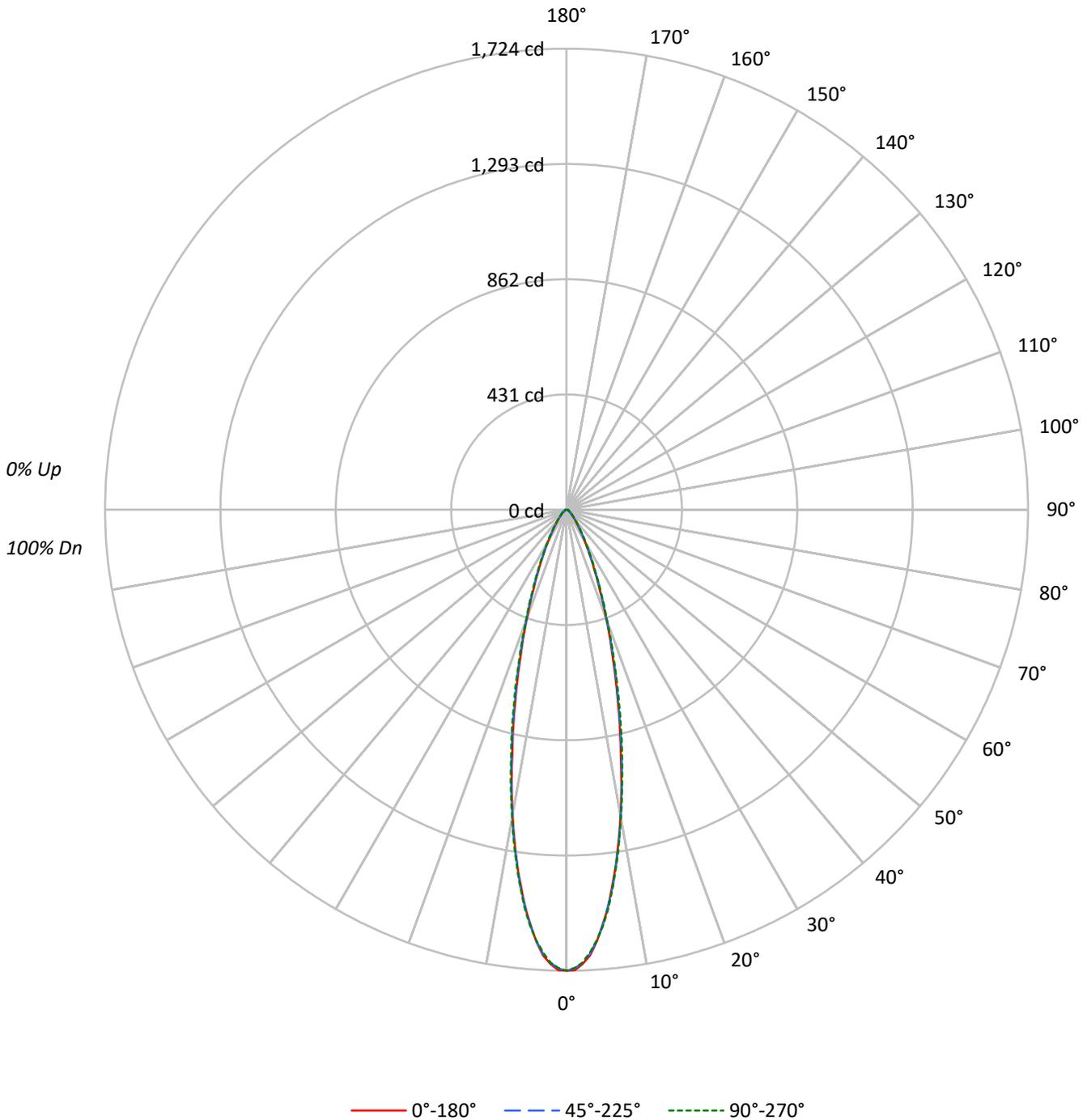
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 570.0 lumens  
Efficiency: N/A  
Efficacy: 51.4 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): 11.1  
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: P1309036  
CATALOG NUMBER: LDSQA3D09R159030DE010 3LSQPHRL1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1309036

CATALOG NUMBER: LDSQA3D09R159030DE010 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°	296843	296843	296843
5°	268881	269382	269763
10°	203000	203507	204539
15°	131673	133099	135720
20°	79285	80220	81283
25°	46309	47279	47982
30°	27225	28100	28537
35°	16778	17387	17703
40°	11016	11353	11511
45°	7672	7843	8013
50°	5680	5894	6082
55°	4624	4834	4834
60°	4030	4030	4030
65°	3586	3586	3586
70°	2971	3323	3323
75°	2928	2928	2928
80°	2182	2876	2876
85°	1383	1383	1383

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 8013 cd/sqm



TEST NUMBER: P1309036

CATALOG NUMBER: LDSQA3D09R159030DE010 3LSQPHRL1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.8	23.8
10°-20°	207.6	36.4
20°-30°	118.0	20.7
30°-40°	53.8	9.4
40°-50°	25.8	4.5
50°-60°	14.4	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°	461.4	80.9
0°-40°	515.2	90.4
0°-60°	555.5	97.4
0°-90°	570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	570.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1724	1724	1724	1724	1724	
5°	1555	1555	1558	1558	1560	136
15°	738	742	746	757	761	205
25°	244	244	249	251	252	116
35°	80	81	83	84	84	52
45°	32	32	32	33	33	25
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	1	1
90°	0	0	0	0	0	



TEST NUMBER: P1309036  
 CATALOG NUMBER: LDSQA3D09R159030DE010 3LSQPHRL1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1723.6	1723.6	1723.6	1723.6	1723.6
1°	1722.2	1717.8	1716.3	1715.6	1714.1
2°	1700.2	1696.6	1695.8	1695.8	1695.1
3°	1669.5	1662.9	1663.6	1661.4	1659.2
4°	1617.5	1614.6	1616.1	1617.5	1614.6
5°	1555.3	1554.6	1558.2	1558.2	1560.4
6°	1490.9	1490.2	1488.0	1493.8	1496.8
7°	1408.9	1413.3	1419.2	1416.2	1418.4
8°	1334.3	1329.1	1331.3	1338.7	1339.4
9°	1246.4	1242.8	1252.3	1255.2	1256.0
10°	1160.8	1164.5	1163.7	1174.0	1169.6
12.5°	937.6	943.4	950.0	954.4	958.8
15°	738.5	742.2	746.5	756.8	761.2
17.5°	568.0	572.4	576.7	585.5	587.0
20°	432.6	434.8	437.7	445.7	443.5
22.5°	323.5	327.2	330.1	333.7	335.9
25°	243.7	243.7	248.8	251.0	252.5
27.5°	181.5	183.0	186.6	189.6	188.8
30°	136.9	139.1	141.3	142.7	143.5
32.5°	105.4	105.4	107.6	109.8	110.5
35°	79.8	81.2	82.7	84.2	84.2
37.5°	62.2	62.9	64.4	65.1	65.1
40°	49.0	49.0	50.5	51.2	51.2
42.5°	38.8	39.5	40.3	41.0	41.0
45°	31.5	31.5	32.2	32.9	32.9
47.5°	25.6	25.6	26.3	27.1	27.1
50°	21.2	22.0	22.0	22.7	22.7
52.5°	18.3	18.3	18.3	19.0	19.0
55°	15.4	15.4	16.1	16.1	16.1
57.5°	13.2	13.2	13.2	13.9	13.9
60°	11.7	11.7	11.7	11.7	11.7
62.5°	10.2	10.2	10.2	10.2	10.2
65°	8.8	8.8	8.8	8.8	8.8
67.5°	7.3	7.3	7.3	8.1	8.1
70°	5.9	6.6	6.6	6.6	6.6
72.5°	5.1	5.1	5.1	5.1	5.1
75°	4.4	4.4	4.4	4.4	4.4
77.5°	3.7	3.7	3.7	3.7	3.7
80°	2.2	2.9	2.9	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	0.7
87.5°	0.0	0.0	0.0	0.0	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)