

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: P1311337

Luminaire Tested: LDSQA3D09R359040DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311337  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R359040DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

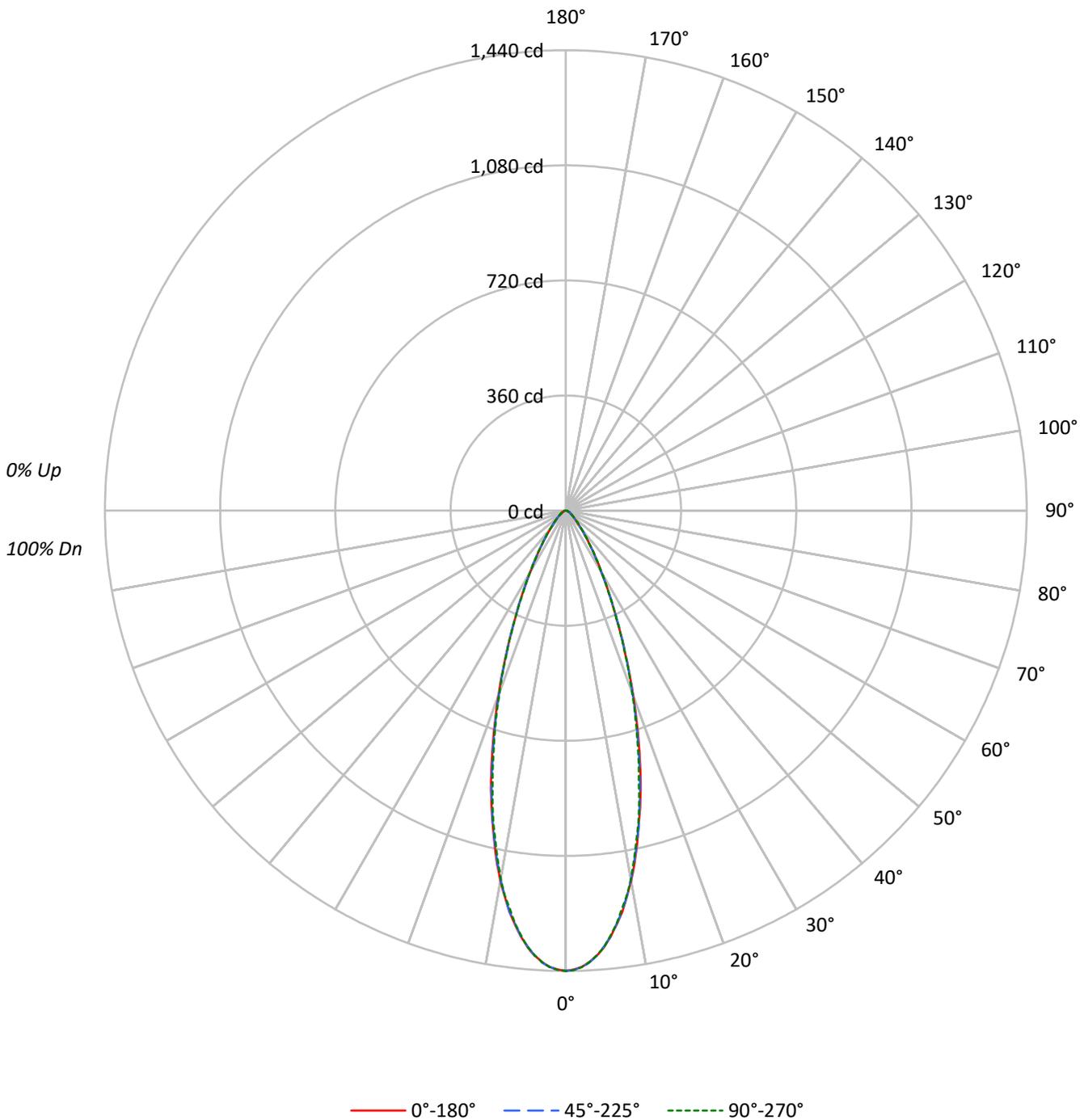
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 710.0 lumens  
Efficiency: N/A  
Efficacy: 64.0 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
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

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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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	95	95	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	83	83	82	82
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	78	78	77	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	74	74	73	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	70	70	69	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	66	66	65	65
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	63	63	62	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	60	60	59	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	57	57	56	56

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

	0°	45°	90°
0°	247949	247949	247949
5°	236915	236518	236915
10°	205676	204994	204714
15°	161164	159898	157384
20°	112751	111743	111028
25°	71602	72058	71602
30°	44108	44427	44108
35°	27290	27458	27458
40°	17334	17514	17514
45°	11691	11886	12081
50°	8440	8654	8654
55°	6606	6606	6606
60°	5408	5408	5408
65°	4809	4809	4809
70°	4381	4381	4381
75°	3660	3660	3660
80°	3075	3075	3075
85°	1581	1581	3162

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 12081 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.4	17.5
10°-20°	245.0	34.5
20°-30°	176.7	24.9
30°-40°	85.2	12.0
40°-50°	39.3	5.5
50°-60°	20.3	2.9
60°-70°	11.7	1.7
70°-80°	5.9	0.8
80°-90°	1.4	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°	546.1	76.9
0°-40°	631.3	88.9
0°-60°	690.9	97.3
0°-90°	710.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	710.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1440	1440	1440	1440	1440	
5°	1370	1374	1368	1369	1370	124
15°	904	902	897	893	883	246
25°	377	378	379	379	377	177
35°	130	130	131	131	131	85
45°	48	49	49	50	50	39
55°	22	22	22	22	22	20
65°	12	12	12	12	12	12
75°	6	6	6	6	6	6
85°	1	1	1	1	2	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1439.7	1439.7	1439.7	1439.7	1439.7
1°	1435.7	1438.1	1437.3	1438.1	1437.3
2°	1428.6	1430.2	1428.6	1429.4	1429.4
3°	1413.7	1415.3	1415.3	1414.5	1413.7
4°	1395.6	1399.5	1395.6	1396.4	1394.0
5°	1370.4	1373.6	1368.1	1368.9	1370.4
6°	1339.8	1340.5	1339.0	1338.2	1336.6
7°	1304.3	1307.5	1302.0	1302.8	1301.2
8°	1266.6	1265.8	1265.8	1262.7	1257.9
9°	1221.0	1224.1	1219.4	1217.8	1218.6
10°	1176.1	1176.1	1172.2	1168.3	1170.6
11°	1125.0	1123.4	1121.0	1115.5	1114.0
12°	1069.1	1072.3	1065.2	1062.8	1057.3
13°	1011.7	1016.4	1013.3	1004.6	1005.4
14°	958.2	955.1	952.7	951.1	945.6
15°	903.9	902.3	896.8	892.9	882.7
17.5°	755.2	756.8	746.6	745.0	741.1
20°	615.2	610.5	609.7	610.5	605.8
22.5°	485.4	490.1	484.6	485.4	482.2
25°	376.8	377.6	379.2	379.2	376.8
27.5°	292.7	292.7	291.1	292.7	290.3
30°	221.8	221.8	223.4	225.0	221.8
32.5°	171.5	171.5	171.5	172.3	173.1
35°	129.8	129.8	130.6	130.6	130.6
37.5°	99.9	100.7	101.5	101.5	101.5
40°	77.1	77.9	77.9	78.7	77.9
42.5°	61.4	61.4	61.4	62.1	62.1
45°	48.0	48.8	48.8	49.6	49.6
47.5°	39.3	39.3	39.3	40.1	40.1
50°	31.5	32.3	32.3	32.3	32.3
52.5°	26.0	26.0	26.7	26.7	26.7
55°	22.0	22.0	22.0	22.0	22.0
57.5°	18.1	18.9	18.9	18.9	18.9
60°	15.7	15.7	15.7	15.7	15.7
62.5°	13.4	13.4	13.4	13.4	13.4
65°	11.8	11.8	11.8	11.8	11.8
67.5°	9.4	10.2	10.2	10.2	10.2
70°	8.7	8.7	8.7	8.7	8.7
72.5°	6.3	7.1	7.1	7.1	7.1
75°	5.5	5.5	5.5	5.5	5.5
77.5°	4.7	3.9	3.9	3.9	4.7
80°	3.1	3.1	3.1	3.1	3.1
82.5°	2.4	2.4	2.4	2.4	2.4
85°	0.8	0.8	0.8	0.8	1.6
87.5°	0.0	0.0	0.0	0.8	0.8



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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)