

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: P1315409

Luminaire Tested: LDSQA3D09R159735DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315409  
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: LDSQA3D09R159735DE010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

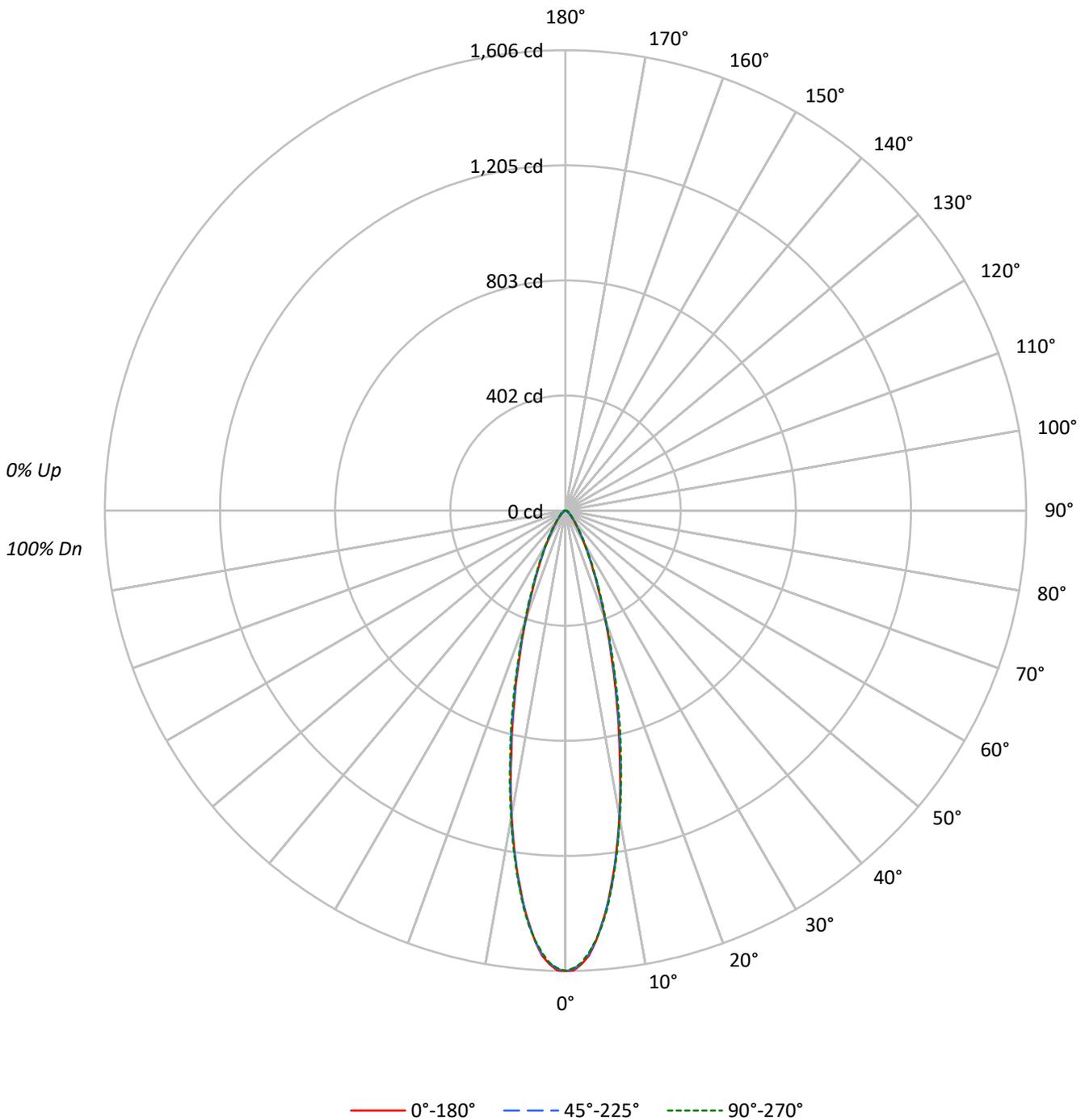
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 531.0 lumens  
Efficiency: N/A  
Efficacy: 47.8 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

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### Luminous Intensity Polar Plot





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**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°	276538	276538	276538
5°	250487	250953	251316
10°	189115	189587	190549
15°	122669	124006	126431
20°	73860	74721	75729
25°	43136	44048	44694
30°	25355	26171	26568
35°	15621	16189	16483
40°	10274	10567	10724
45°	7136	7307	7477
50°	5305	5493	5653
55°	4294	4504	4504
60°	3754	3754	3754
65°	3342	3342	3342
70°	2769	3072	3072
75°	2728	2728	2728
80°	1984	2678	2678
85°	1383	1383	1383

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 7477 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.5	23.8
10°-20°	193.4	36.4
20°-30°	109.9	20.7
30°-40°	50.2	9.4
40°-50°	24.1	4.5
50°-60°	13.4	2.5
60°-70°	8.2	1.5
70°-80°	4.4	0.8
80°-90°	0.9	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°	429.8	80.9
0°-40°	479.9	90.4
0°-60°	517.4	97.4
0°-90°	531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	531.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1606	1606	1606	1606	1606	
5°	1449	1448	1452	1452	1454	126
15°	688	691	696	705	709	191
25°	227	227	232	234	235	108
35°	74	76	77	78	78	49
45°	29	29	30	31	31	23
55°	14	14	15	15	15	13
65°	8	8	8	8	8	8
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1605.7	1605.7	1605.7	1605.7	1605.7
1°	1604.3	1600.3	1598.9	1598.2	1596.8
2°	1583.9	1580.5	1579.8	1579.8	1579.1
3°	1555.3	1549.1	1549.8	1547.8	1545.7
4°	1506.8	1504.1	1505.5	1506.8	1504.1
5°	1448.9	1448.2	1451.6	1451.6	1453.7
6°	1388.9	1388.2	1386.2	1391.6	1394.3
7°	1312.5	1316.6	1322.1	1319.3	1321.4
8°	1243.0	1238.2	1240.2	1247.1	1247.7
9°	1161.2	1157.7	1166.6	1169.3	1170.0
10°	1081.4	1084.8	1084.1	1093.7	1089.6
12.5°	873.4	878.9	885.0	889.1	893.2
15°	688.0	691.4	695.5	705.0	709.1
17.5°	529.1	533.2	537.3	545.5	546.8
20°	403.0	405.0	407.7	415.2	413.2
22.5°	301.4	304.8	307.5	310.9	313.0
25°	227.0	227.0	231.8	233.9	235.2
27.5°	169.1	170.5	173.9	176.6	175.9
30°	127.5	129.5	131.6	133.0	133.6
32.5°	98.2	98.2	100.2	102.3	103.0
35°	74.3	75.7	77.0	78.4	78.4
37.5°	58.0	58.6	60.0	60.7	60.7
40°	45.7	45.7	47.0	47.7	47.7
42.5°	36.1	36.8	37.5	38.2	38.2
45°	29.3	29.3	30.0	30.7	30.7
47.5°	23.9	23.9	24.5	25.2	25.2
50°	19.8	20.5	20.5	21.1	21.1
52.5°	17.0	17.0	17.0	17.7	17.7
55°	14.3	14.3	15.0	15.0	15.0
57.5°	12.3	12.3	12.3	13.0	13.0
60°	10.9	10.9	10.9	10.9	10.9
62.5°	9.5	9.5	9.5	9.5	9.5
65°	8.2	8.2	8.2	8.2	8.2
67.5°	6.8	6.8	6.8	7.5	7.5
70°	5.5	6.1	6.1	6.1	6.1
72.5°	4.8	4.8	4.8	4.8	4.8
75°	4.1	4.1	4.1	4.1	4.1
77.5°	3.4	3.4	3.4	3.4	3.4
80°	2.0	2.7	2.7	2.7	2.7
82.5°	1.4	1.4	1.4	1.4	1.4
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)