

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: P1307145

Luminaire Tested: LDSQA3D13R259024DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307145  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R259024DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

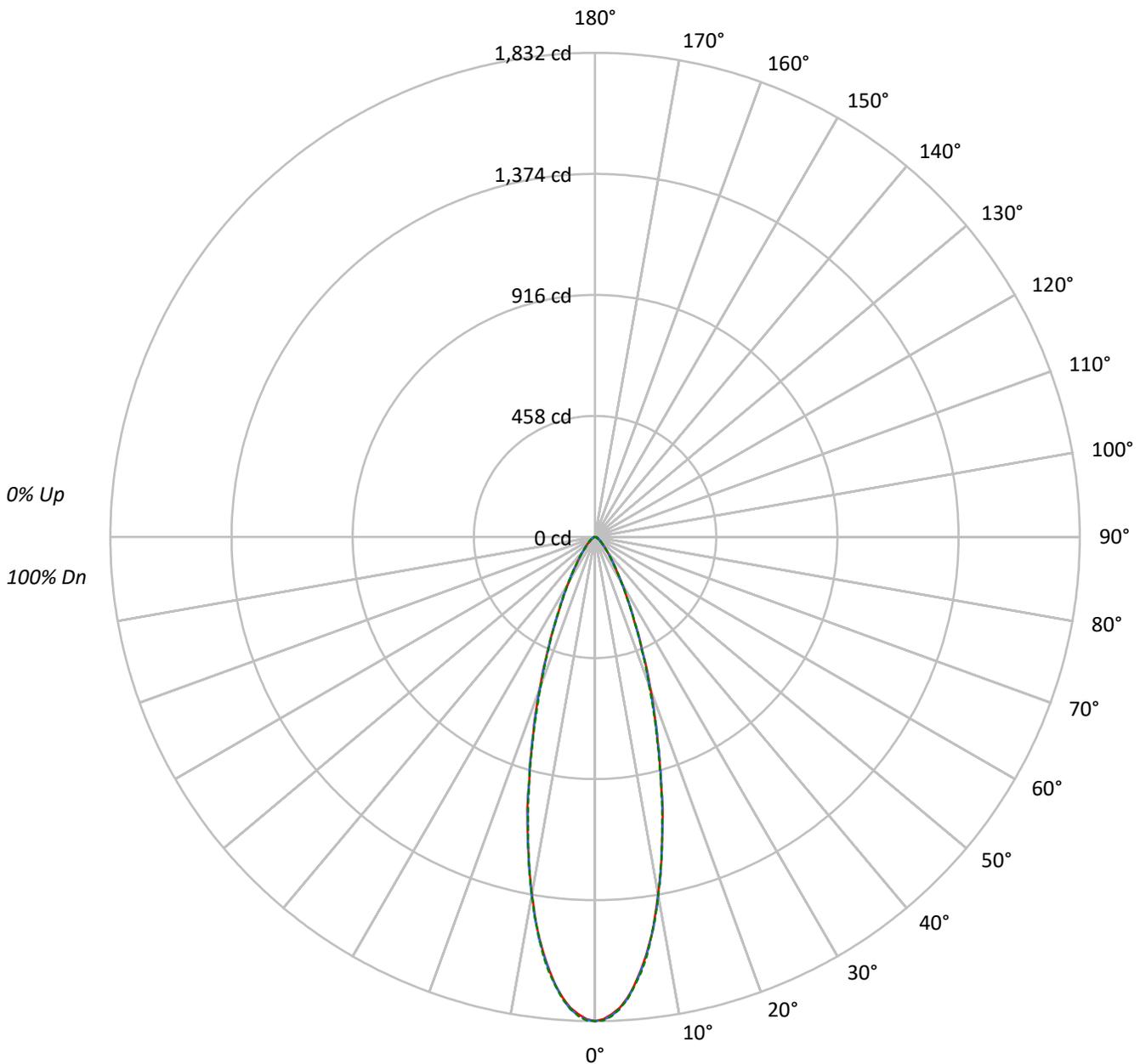
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 734.0 lumens  
Efficiency: N/A  
Efficacy: 50.3 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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



0% Up  
100% Dn

— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73	79	76	72	78	75	72	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	67	63	60	59

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

	0°	45°	90°
0°	315495	315495	315495
5°	294467	294779	294917
10°	240197	240949	240949
15°	171558	172468	171558
20°	112275	111175	109617
25°	66756	67079	66756
30°	40211	40211	40052
35°	24494	24683	24494
40°	15603	15805	15805
45°	10863	10863	10863
50°	7797	8038	8038
55°	6185	6185	6426
60°	5029	5304	5304
65°	4523	4523	4523
70°	3877	3877	4330
75°	3394	3394	3993
80°	3372	3372	3372
85°	1778	1778	1778

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 10863 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.2	20.7
10°-20°	265.3	36.1
20°-30°	166.8	22.7
30°-40°	76.3	10.4
40°-50°	35.7	4.9
50°-60°	19.2	2.6
60°-70°	11.3	1.5
70°-80°	5.9	0.8
80°-90°	1.3	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
<b>0°-30°</b>	<b>584.4</b>	<b>79.6</b>
<b>0°-40°</b>	<b>660.7</b>	<b>90.0</b>
<b>0°-60°</b>	<b>715.5</b>	<b>97.5</b>
<b>0°-90°</b>	<b>734.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>734.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1832	1832	1832	1832	1832	
5°	1703	1707	1705	1707	1706	152
15°	962	968	967	969	962	265
25°	351	356	353	353	351	167
35°	116	116	117	117	116	76
45°	45	45	45	45	45	35
55°	21	21	21	21	21	19
65°	11	11	11	11	11	11
75°	5	5	5	6	6	6
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°	1831.9	1831.9	1831.9	1831.9	1831.9
1°	1824.2	1825.9	1827.6	1830.2	1829.3
2°	1807.0	1810.4	1811.3	1814.7	1813.9
3°	1783.9	1783.0	1789.9	1789.9	1785.6
4°	1747.9	1749.6	1751.3	1753.0	1753.9
5°	1703.3	1706.8	1705.1	1706.8	1705.9
6°	1648.5	1653.6	1652.8	1654.5	1657.1
7°	1590.2	1593.7	1593.7	1592.0	1598.8
8°	1526.8	1524.3	1528.6	1526.8	1526.0
9°	1451.4	1456.6	1457.4	1453.2	1454.9
10°	1373.5	1376.9	1377.8	1380.3	1377.8
11°	1296.4	1296.4	1298.1	1302.4	1295.5
12°	1212.4	1220.1	1212.4	1215.8	1212.4
13°	1132.7	1134.4	1132.7	1131.8	1125.9
14°	1057.3	1051.3	1053.0	1046.2	1047.0
15°	962.2	968.2	967.3	969.1	962.2
17.5°	773.7	777.1	776.3	774.6	766.0
20°	612.6	612.6	606.6	603.2	598.1
22.5°	467.8	466.1	463.5	461.0	462.7
25°	351.3	355.6	353.0	353.0	351.3
27.5°	265.6	270.8	266.5	263.9	265.6
30°	202.2	203.9	202.2	201.4	201.4
32.5°	152.5	153.4	152.5	152.5	152.5
35°	116.5	116.5	117.4	117.4	116.5
37.5°	90.0	90.0	90.0	90.0	90.8
40°	69.4	70.3	70.3	70.3	70.3
42.5°	54.8	55.7	55.7	55.7	55.7
45°	44.6	44.6	44.6	44.6	44.6
47.5°	36.0	36.0	36.0	36.0	36.8
50°	29.1	30.0	30.0	30.0	30.0
52.5°	24.8	24.8	24.8	24.8	24.8
55°	20.6	20.6	20.6	21.4	21.4
57.5°	17.1	17.1	18.0	18.0	18.0
60°	14.6	15.4	15.4	15.4	15.4
62.5°	12.9	12.9	13.7	13.7	13.7
65°	11.1	11.1	11.1	11.1	11.1
67.5°	9.4	9.4	9.4	9.4	10.3
70°	7.7	7.7	7.7	8.6	8.6
72.5°	6.9	6.9	6.9	6.9	6.9
75°	5.1	5.1	5.1	6.0	6.0
77.5°	4.3	4.3	4.3	4.3	4.3
80°	3.4	3.4	3.4	3.4	3.4
82.5°	1.7	1.7	2.6	2.6	2.6
85°	0.9	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0



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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)