

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: P1308189

Luminaire Tested: LDSQA3D13R559027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

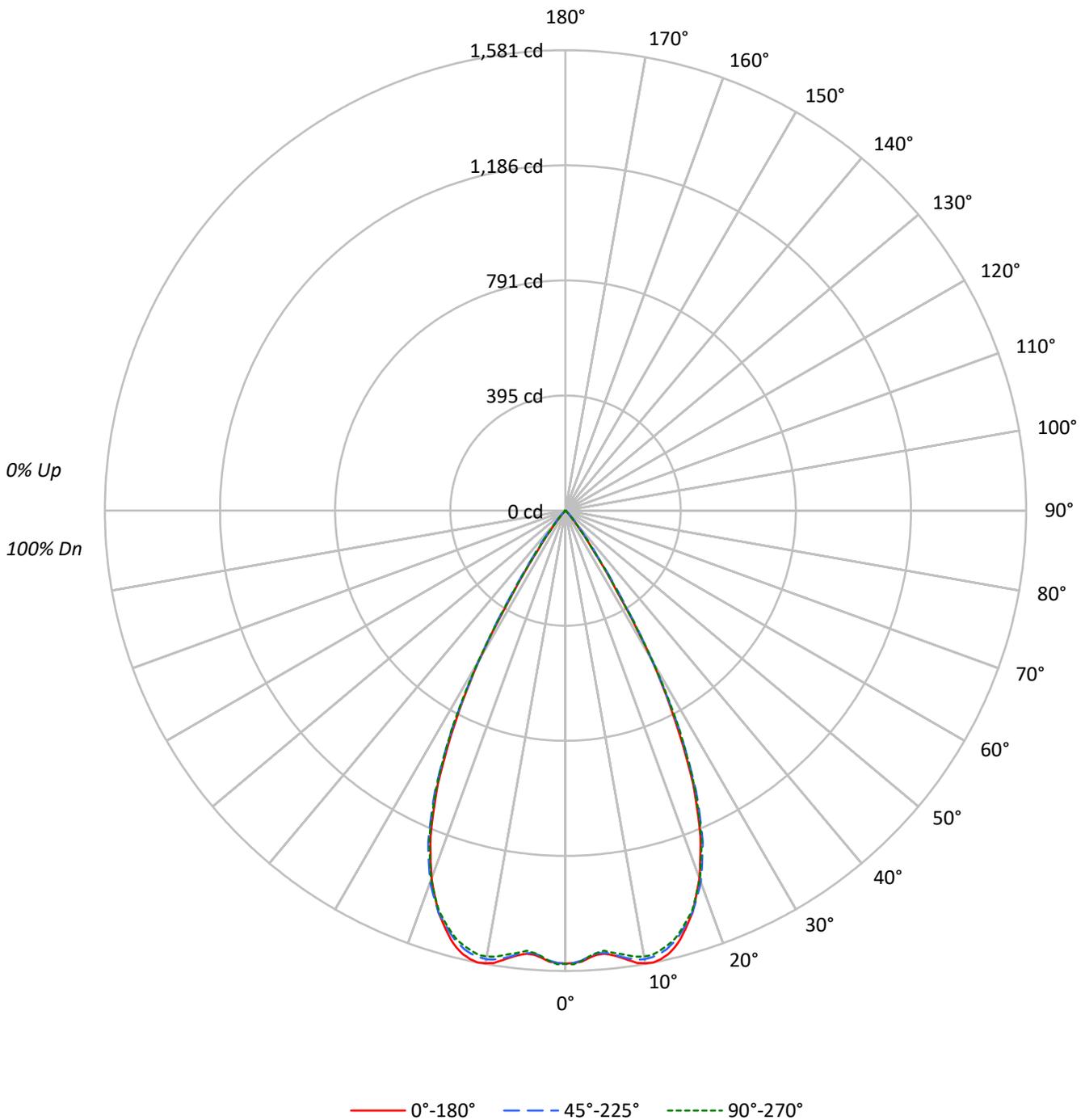
Test Method: LM-79-2019  
Report Number: P1308189  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R559027DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1192.9 lumens  
Efficiency: N/A  
Efficacy: 81.7 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
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





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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	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

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

	0°	45°	90°
0°	267927	267927	267927
5°	264092	263625	262363
10°	276030	273651	271903
15°	271726	269283	268160
20°	246377	248888	247055
25°	197020	201162	199262
30°	118166	118166	119598
35°	34144	40430	35279
40°	9780	13264	9780
45°	2216	5090	2216
50°	965	1688	723
55°	811	811	811
60°	930	930	930
65°	734	734	734
70°	906	906	906
75°	599	599	599
80°	893	893	893
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 5090 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.5	12.4
10°-20°	420.4	35.2
20°-30°	463.2	38.8
30°-40°	141.7	11.9
40°-50°	14.0	1.2
50°-60°	2.6	0.2
60°-70°	2.1	0.2
70°-80°	1.1	0.1
80°-90°	0.4	0.0
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°	1031.1	86.4
0°-40°	1172.8	98.3
0°-60°	1189.4	99.7
0°-90°	1192.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1192.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1556	1556	1556	1556	1556	
5°	1528	1528	1525	1520	1518	148
15°	1524	1521	1510	1504	1504	422
25°	1037	1047	1059	1069	1049	457
35°	162	170	192	177	168	133
45°	9	14	21	14	9	11
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1555.7	1555.7	1555.7	1555.7	1555.7
1°	1553.9	1554.8	1553.9	1552.1	1558.4
2°	1550.3	1549.4	1546.6	1545.7	1548.4
3°	1538.5	1538.5	1534.8	1533.0	1533.9
4°	1529.4	1529.4	1524.0	1522.1	1523.0
5°	1527.6	1527.6	1524.9	1520.3	1517.6
6°	1534.8	1536.7	1530.3	1525.8	1525.8
7°	1545.7	1546.6	1542.1	1535.7	1533.9
8°	1559.3	1560.2	1553.0	1545.7	1542.1
9°	1572.9	1571.1	1561.1	1553.9	1551.2
10°	1578.4	1577.5	1564.8	1557.5	1554.8
11°	1581.1	1576.6	1562.1	1555.7	1554.8
12°	1574.8	1571.1	1555.7	1549.4	1546.6
13°	1563.9	1558.4	1545.7	1539.4	1535.7
14°	1546.6	1541.2	1529.4	1522.1	1523.0
15°	1524.0	1521.2	1510.3	1504.0	1504.0
17.5°	1448.7	1450.5	1447.8	1445.0	1443.2
20°	1344.3	1351.6	1358.0	1354.3	1348.0
22.5°	1211.0	1223.7	1231.0	1232.8	1221.0
25°	1036.8	1046.8	1058.6	1068.6	1048.6
27.5°	820.0	829.1	840.0	846.3	843.6
30°	594.2	595.1	594.2	606.0	601.4
32.5°	330.2	357.4	361.9	370.1	341.1
35°	162.4	170.5	192.3	176.9	167.8
37.5°	78.0	83.5	104.3	85.3	81.6
40°	43.5	47.2	59.0	49.0	43.5
42.5°	20.9	27.2	31.7	28.1	20.9
45°	9.1	13.6	20.9	13.6	9.1
47.5°	3.6	5.4	12.7	5.4	3.6
50°	3.6	2.7	6.3	2.7	2.7
52.5°	2.7	2.7	3.6	2.7	2.7
55°	2.7	2.7	2.7	2.7	2.7
57.5°	2.7	2.7	2.7	2.7	2.7
60°	2.7	2.7	2.7	2.7	2.7
62.5°	1.8	2.7	2.7	2.7	1.8
65°	1.8	1.8	1.8	1.8	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8
72.5°	0.9	1.8	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0
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)