

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: P1320080

Luminaire Tested: LDSQA3D13R209840DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320080  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R209840DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

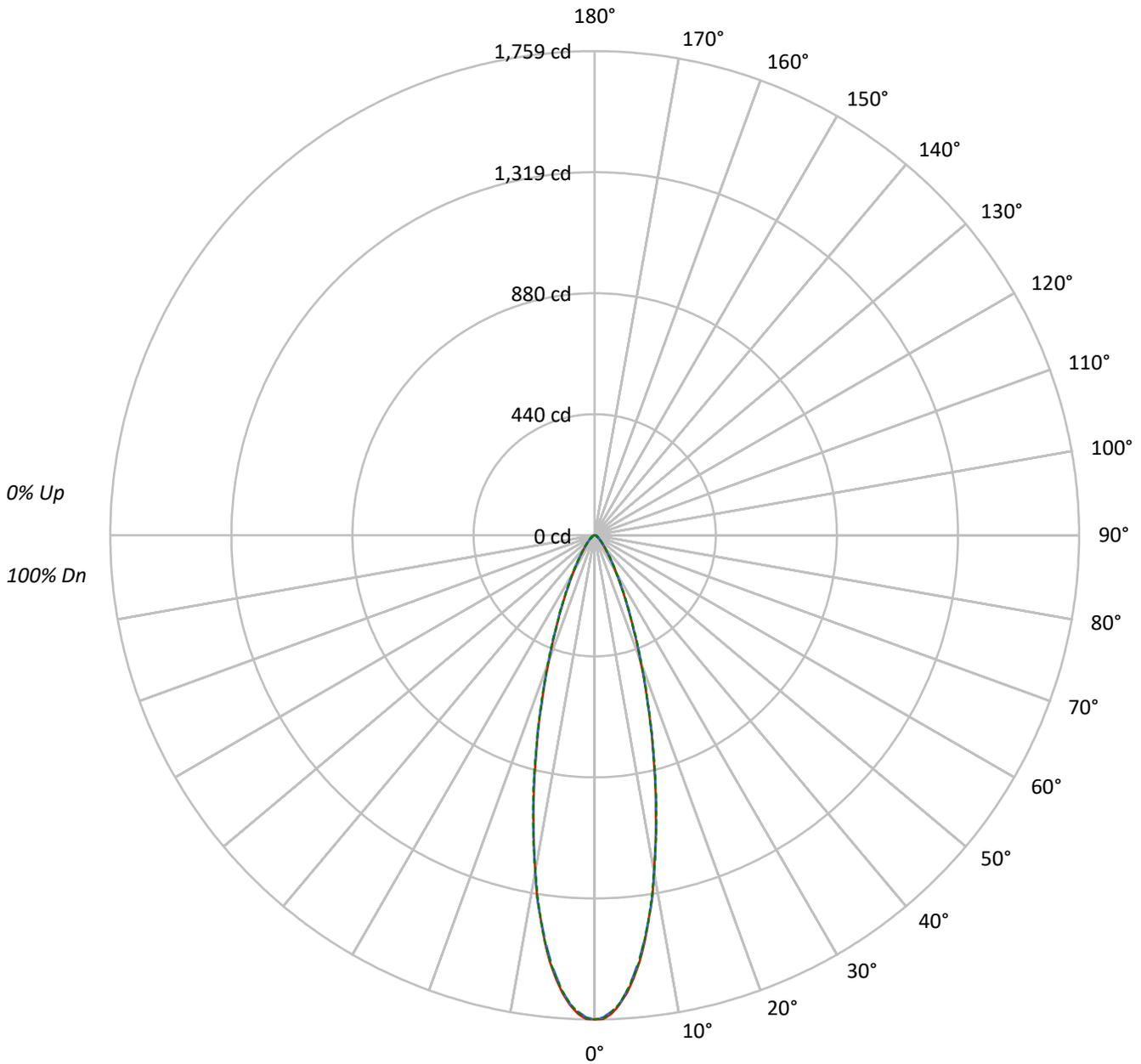
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 618.0 lumens  
Efficiency: N/A  
Efficacy: 42.6 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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°-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	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	73	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	71	67	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	68	65	62	61

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

	0°	45°	90°
0°	302871	302871	302871
5°	279409	277802	278735
10°	216816	217095	217095
15°	146543	147238	147238
20°	88999	90135	90556
25°	52219	52941	52789
30°	30466	31063	31222
35°	18607	19090	19090
40°	12118	12275	12455
45°	8427	8622	8817
50°	6189	6404	6404
55°	4864	5074	5074
60°	4237	4237	4512
65°	3749	3749	4075
70°	3474	3474	3474
75°	3061	3061	3061
80°	2281	2281	3075
85°	1581	1581	2964

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 8817 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.8	22.9
10°-20°	227.1	36.7
20°-30°	131.5	21.3
30°-40°	59.0	9.5
40°-50°	28.0	4.5
50°-60°	15.3	2.5
60°-70°	9.3	1.5
70°-80°	5.0	0.8
80°-90°	1.1	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°	500.4	81.0
0°-40°	559.4	90.5
0°-60°	602.6	97.5
0°-90°	618.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	618.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1759	1759	1759	1759	1759	
5°	1616	1611	1607	1610	1612	142
15°	822	822	826	822	826	226
25°	275	275	279	276	278	130
35°	88	89	91	92	91	58
45°	35	35	35	35	36	27
55°	16	16	17	17	17	15
65°	9	9	9	9	10	9
75°	5	5	5	5	5	5
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°	1758.6	1758.6	1758.6	1758.6	1758.6
1°	1757.8	1753.2	1751.6	1750.1	1754.7
2°	1740.1	1734.7	1731.6	1733.2	1733.9
3°	1708.5	1705.5	1705.5	1703.2	1704.7
4°	1667.7	1661.6	1661.6	1662.4	1662.4
5°	1616.2	1610.8	1606.9	1610.0	1612.3
6°	1558.5	1551.5	1548.5	1549.2	1554.6
7°	1487.7	1478.4	1480.0	1483.8	1483.8
8°	1407.6	1406.9	1408.4	1406.9	1408.4
9°	1333.7	1323.0	1332.2	1324.5	1328.3
10°	1239.8	1239.1	1241.4	1243.7	1241.4
12.5°	1025.9	1029.7	1031.3	1028.2	1035.1
15°	821.9	821.9	825.8	821.9	825.8
17.5°	639.5	638.8	641.9	638.8	643.4
20°	485.6	491.0	491.8	491.8	494.1
22.5°	366.3	366.3	369.4	370.2	368.6
25°	274.8	274.8	278.6	276.3	277.8
27.5°	203.2	204.7	207.8	209.3	209.3
30°	153.2	153.9	156.2	157.0	157.0
32.5°	115.4	117.0	118.5	119.3	120.1
35°	88.5	89.3	90.8	91.6	90.8
37.5°	67.7	68.5	70.0	70.8	70.8
40°	53.9	53.9	54.6	55.4	55.4
42.5°	42.3	43.1	43.1	43.9	43.9
45°	34.6	34.6	35.4	35.4	36.2
47.5°	27.7	27.7	28.5	29.2	29.2
50°	23.1	23.1	23.9	23.9	23.9
52.5°	19.2	19.2	20.0	20.0	20.0
55°	16.2	16.2	16.9	16.9	16.9
57.5°	13.9	13.9	14.6	14.6	14.6
60°	12.3	12.3	12.3	12.3	13.1
62.5°	10.8	10.8	10.8	10.8	10.8
65°	9.2	9.2	9.2	9.2	10.0
67.5°	7.7	7.7	7.7	7.7	8.5
70°	6.9	6.9	6.9	6.9	6.9
72.5°	5.4	5.4	5.4	6.2	6.2
75°	4.6	4.6	4.6	4.6	4.6
77.5°	3.8	3.8	3.8	3.8	3.8
80°	2.3	2.3	2.3	3.1	3.1
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.8	0.8	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)