

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: P1311505

Luminaire Tested: LDSQA3D13R359040DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311505  
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: LDSQA3D13R359040DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

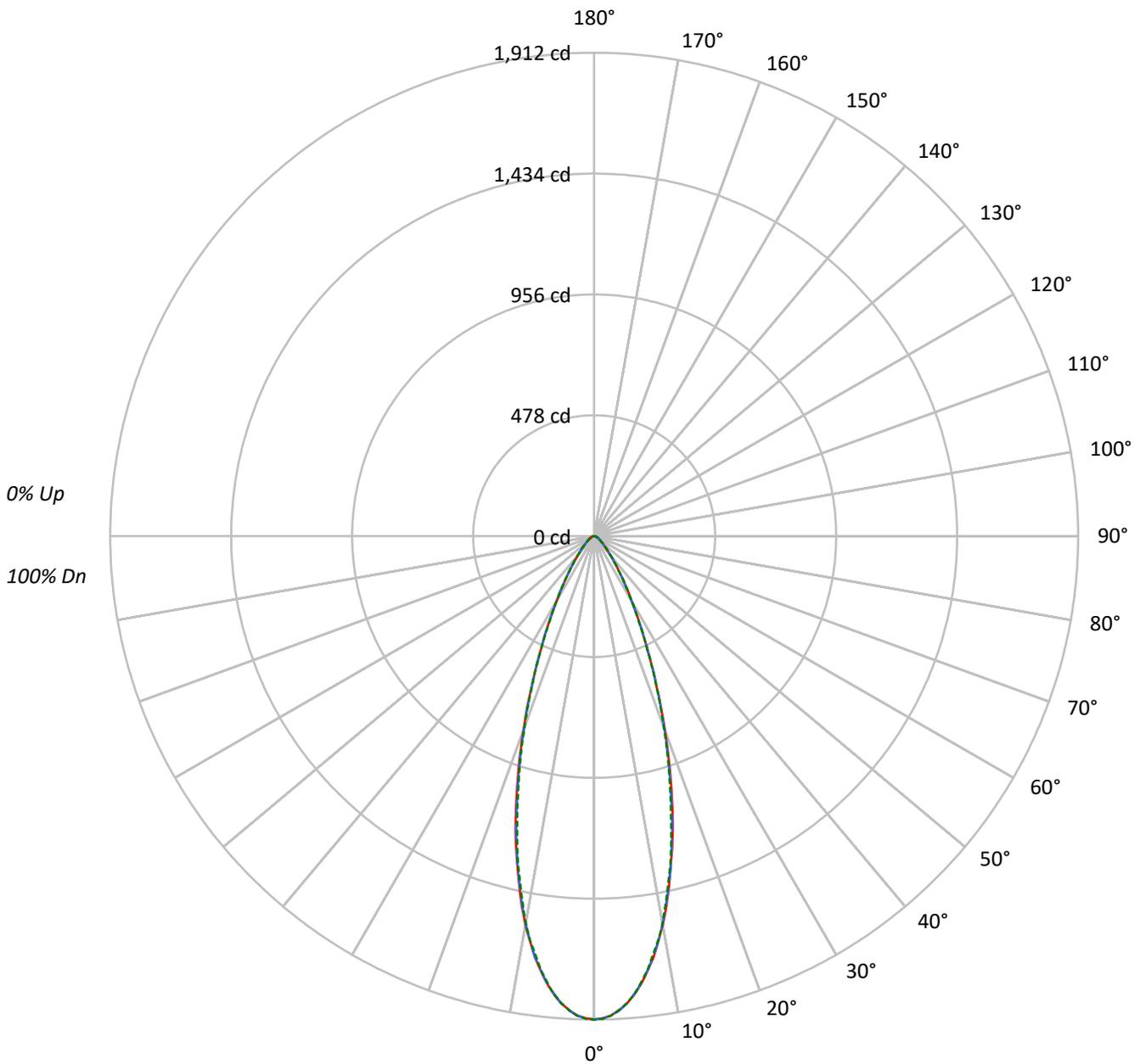
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 943.0 lumens  
Efficiency: N/A  
Efficacy: 64.6 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): 14.6  
Input Voltage (V): NR  
Input Current (Ain): 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				
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	100	100	100	100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94	94	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82	82	82	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	78	77	77	77	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73	73	73	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	69	69	69	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	65	65	65	65
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62	62	62	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59	59	59	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	56	56	56	56

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

	0°	45°	90°
0°	329307	329307	329307
5°	314677	314124	314677
10°	273179	272270	271903
15°	214065	212389	209019
20°	149754	148417	147463
25°	95108	95697	95108
30°	58606	59003	58606
35°	36246	36456	36456
40°	23022	23246	23246
45°	15515	15783	16026
50°	11200	11467	11467
55°	8798	8798	8798
60°	7199	7199	7199
65°	6398	6398	6398
70°	5791	5791	5791
75°	4858	4858	4858
80°	4166	4166	4166
85°	1976	1976	4150

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 16026 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.2	17.5
10°-20°	325.4	34.5
20°-30°	234.7	24.9
30°-40°	113.2	12.0
40°-50°	52.2	5.5
50°-60°	27.0	2.9
60°-70°	15.6	1.7
70°-80°	7.9	0.8
80°-90°	1.8	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°	725.3	76.9
0°-40°	838.5	88.9
0°-60°	917.7	97.3
0°-90°	943.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	943.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1912	1912	1912	1912	1912	
5°	1820	1824	1817	1818	1820	165
15°	1201	1198	1191	1186	1172	327
25°	500	502	504	504	500	235
35°	172	172	173	173	173	113
45°	64	65	65	66	66	52
55°	29	29	29	29	29	27
65°	16	16	16	16	16	15
75°	7	7	7	7	7	8
85°	1	1	1	1	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1912.1	1912.1	1912.1	1912.1	1912.1
1°	1906.9	1910.0	1909.0	1910.0	1909.0
2°	1897.5	1899.6	1897.5	1898.5	1898.5
3°	1877.6	1879.7	1879.7	1878.7	1877.6
4°	1853.6	1858.8	1853.6	1854.6	1851.5
5°	1820.2	1824.3	1817.0	1818.1	1820.2
6°	1779.4	1780.5	1778.4	1777.3	1775.2
7°	1732.4	1736.6	1729.3	1730.3	1728.2
8°	1682.2	1681.2	1681.2	1677.0	1670.7
9°	1621.6	1625.8	1619.6	1617.5	1618.5
10°	1562.1	1562.1	1556.9	1551.6	1554.8
11°	1494.2	1492.1	1488.9	1481.6	1479.5
12°	1420.0	1424.2	1414.8	1411.6	1404.3
13°	1343.7	1350.0	1345.8	1334.3	1335.3
14°	1272.7	1268.5	1265.3	1263.2	1255.9
15°	1200.6	1198.5	1191.2	1185.9	1172.3
17.5°	1003.1	1005.2	991.6	989.5	984.3
20°	817.1	810.8	809.8	810.8	804.6
22.5°	644.7	651.0	643.6	644.7	640.5
25°	500.5	501.5	503.6	503.6	500.5
27.5°	388.7	388.7	386.6	388.7	385.6
30°	294.7	294.7	296.7	298.8	294.7
32.5°	227.8	227.8	227.8	228.8	229.9
35°	172.4	172.4	173.4	173.4	173.4
37.5°	132.7	133.7	134.8	134.8	134.8
40°	102.4	103.4	103.4	104.5	103.4
42.5°	81.5	81.5	81.5	82.5	82.5
45°	63.7	64.8	64.8	65.8	65.8
47.5°	52.2	52.2	52.2	53.3	53.3
50°	41.8	42.8	42.8	42.8	42.8
52.5°	34.5	34.5	35.5	35.5	35.5
55°	29.3	29.3	29.3	29.3	29.3
57.5°	24.0	25.1	25.1	25.1	25.1
60°	20.9	20.9	20.9	20.9	20.9
62.5°	17.8	17.8	17.8	17.8	17.8
65°	15.7	15.7	15.7	15.7	15.7
67.5°	12.5	13.6	13.6	13.6	13.6
70°	11.5	11.5	11.5	11.5	11.5
72.5°	8.4	9.4	9.4	9.4	9.4
75°	7.3	7.3	7.3	7.3	7.3
77.5°	6.3	5.2	5.2	5.2	6.3
80°	4.2	4.2	4.2	4.2	4.2
82.5°	3.1	3.1	3.1	3.1	3.1
85°	1.0	1.0	1.0	1.0	2.1
87.5°	0.0	0.0	0.0	1.0	1.0



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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)