

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: P1317685

Luminaire Tested: LDSQA3D17R559827DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317685  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R559827DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

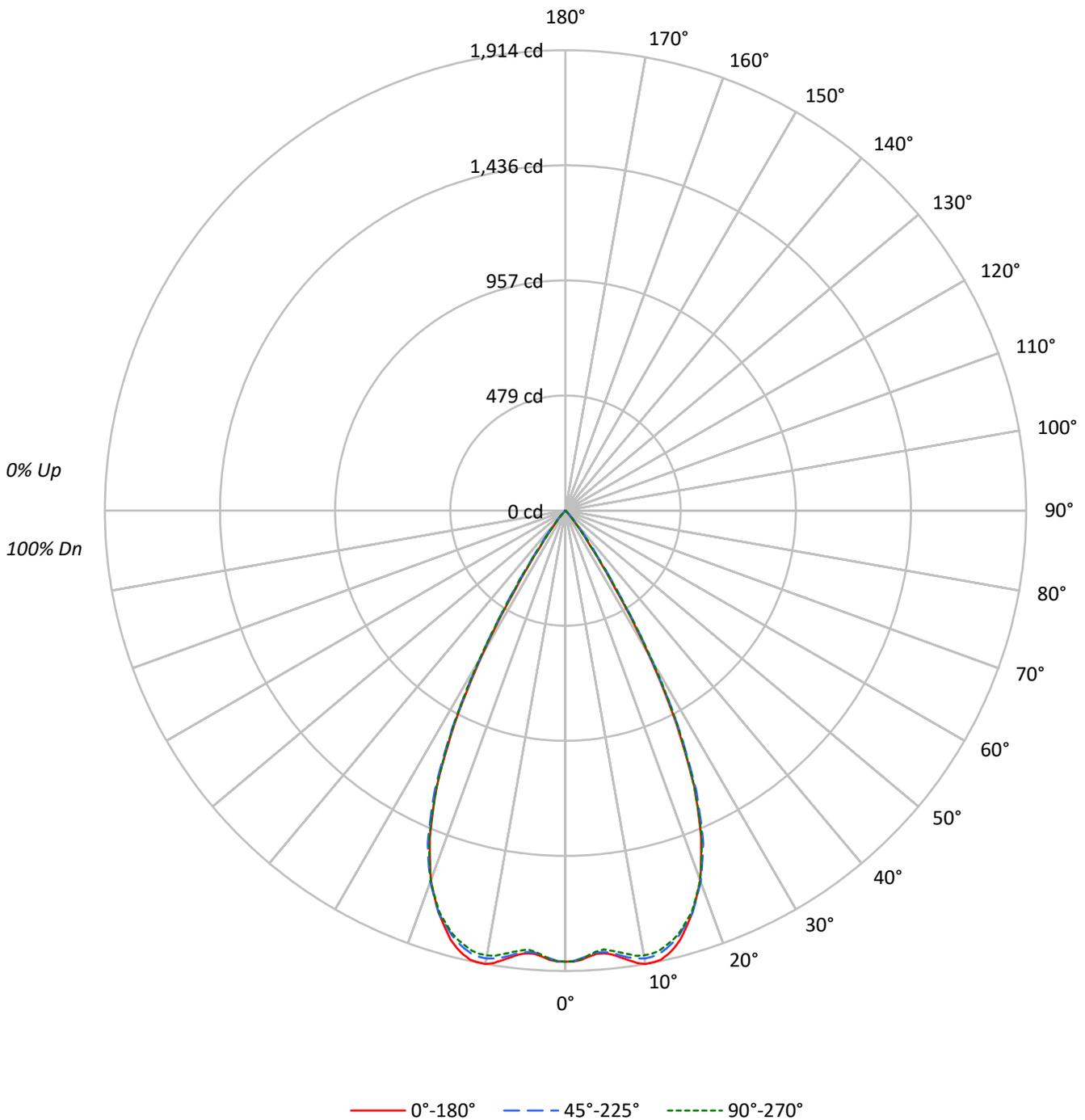
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1426.0 lumens  
Efficiency: N/A  
Efficacy: 69.9 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
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	112	109	107	112	109	107	106	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	93	91	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	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	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

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

	0°	45°	90°
0°	323038	323038	323038
5°	319345	318394	316700
10°	334719	330697	328406
15°	329156	325643	324467
20°	299820	301030	300022
25°	240536	244279	240536
30°	138052	141533	142626
35°	39358	47431	40514
40°	10094	14523	10342
45°	1072	5066	804
50°	0	884	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 5066 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.1	12.5
10°-20°	508.2	35.6
20°-30°	559.7	39.3
30°-40°	167.1	11.7
40°-50°	12.8	0.9
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1246.0	87.4
0°-40°	1413.1	99.1
0°-60°	1426.0	100.0
0°-90°	1426.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1426.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1876	1876	1876	1876	1876	
5°	1847	1844	1842	1834	1832	179
15°	1846	1833	1826	1819	1820	512
25°	1266	1266	1286	1283	1266	554
35°	187	199	226	206	193	155
45°	4	11	21	11	3	8
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	1875.7	1875.7	1875.7	1875.7	1875.7
1°	1874.6	1874.6	1872.4	1871.3	1874.6
2°	1869.1	1869.1	1863.6	1862.5	1865.8
3°	1857.1	1856.0	1851.6	1848.3	1850.5
4°	1847.2	1845.0	1841.7	1836.3	1837.4
5°	1847.2	1843.9	1841.7	1834.1	1831.9
6°	1856.0	1853.8	1849.4	1841.7	1839.5
7°	1871.3	1866.9	1862.5	1852.7	1850.5
8°	1887.7	1884.4	1875.7	1865.8	1861.4
9°	1904.2	1896.5	1885.5	1875.7	1874.6
10°	1914.0	1903.1	1891.0	1879.0	1877.9
11°	1912.9	1903.1	1888.8	1877.9	1876.8
12°	1908.5	1894.3	1882.3	1869.1	1870.2
13°	1893.2	1880.1	1868.0	1858.2	1856.0
14°	1872.4	1860.4	1849.4	1839.5	1840.6
15°	1846.1	1833.0	1826.4	1818.7	1819.8
17.5°	1753.0	1749.8	1753.0	1744.3	1747.6
20°	1635.9	1632.6	1642.5	1638.1	1637.0
22.5°	1472.7	1477.1	1495.7	1490.3	1480.4
25°	1265.8	1265.8	1285.5	1283.3	1265.8
27.5°	996.4	1004.1	1016.1	1021.6	1008.5
30°	694.2	711.7	711.7	722.7	717.2
32.5°	387.6	424.8	433.6	439.1	417.2
35°	187.2	199.3	225.6	205.9	192.7
37.5°	89.8	95.3	121.5	98.5	92.0
40°	44.9	51.5	64.6	53.7	46.0
42.5°	18.6	27.4	33.9	27.4	18.6
45°	4.4	10.9	20.8	10.9	3.3
47.5°	0.0	1.1	9.9	2.2	0.0
50°	0.0	0.0	3.3	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
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)