

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: P1307373

Luminaire Tested: LDSQA3D17R559024DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307373  
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: LDSQA3D17R559024DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

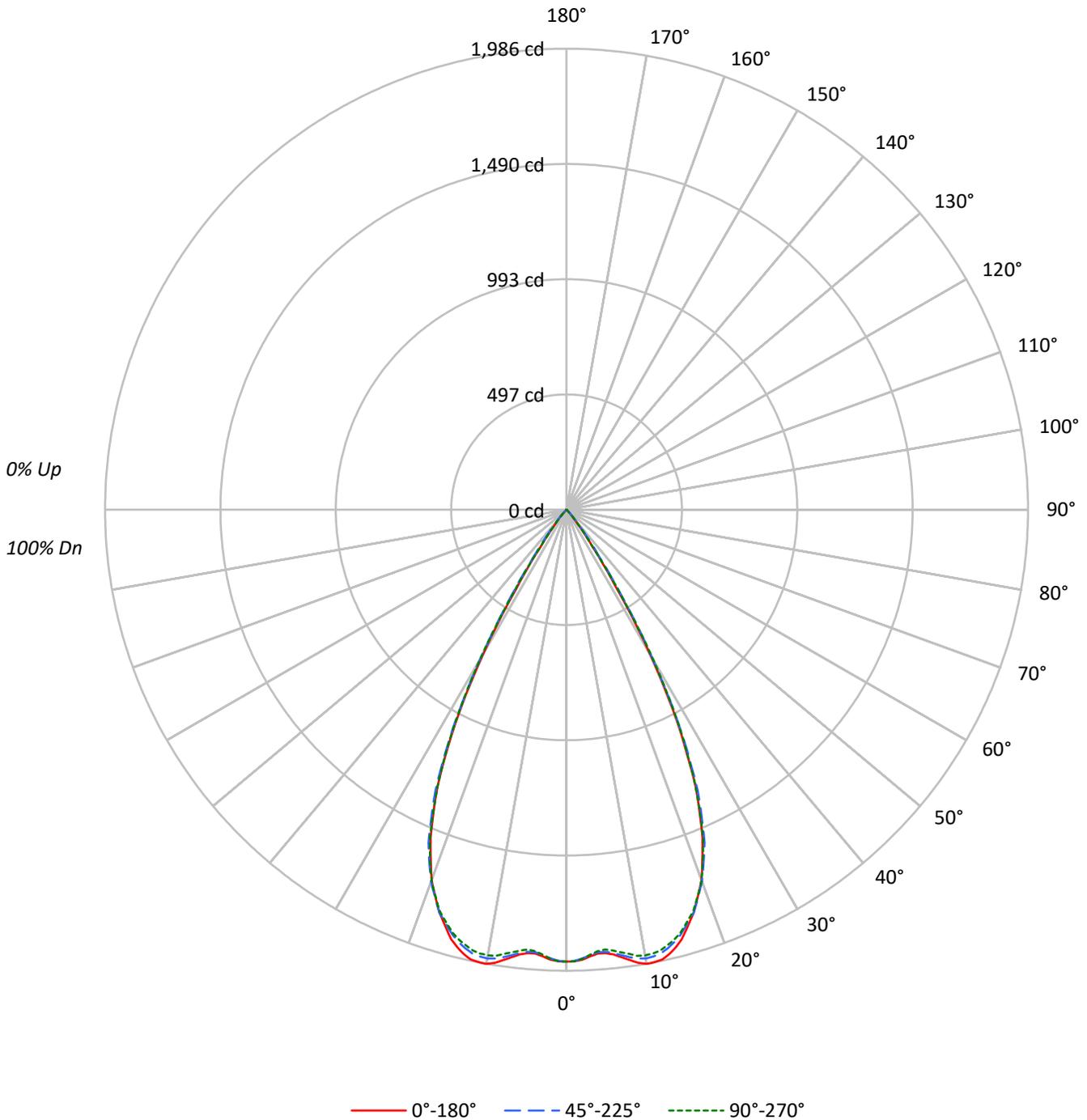
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1480.0 lumens  
Efficiency: N/A  
Efficacy: 69.8 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): 21.2  
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	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°	335266	335266	335266
5°	331447	330461	328698
10°	347398	343218	340840
15°	341619	337982	336769
20°	311165	312430	311385
25°	249638	253534	249638
30°	143283	146902	148036
35°	40851	49218	42049
40°	10477	15063	10724
45°	1096	5261	828
50°	0	911	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: 5261 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.8	12.5
10°-20°	527.4	35.6
20°-30°	580.9	39.3
30°-40°	173.4	11.7
40°-50°	13.3	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°	1293.2	87.4
0°-40°	1466.6	99.1
0°-60°	1480.0	100.0
0°-90°	1480.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1480.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1947	1947	1947	1947	1947	
5°	1917	1914	1912	1904	1901	186
15°	1916	1902	1896	1888	1889	531
25°	1314	1314	1334	1332	1314	575
35°	194	207	234	214	200	161
45°	4	11	22	11	3	9
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°	1946.7	1946.7	1946.7	1946.7	1946.7
1°	1945.6	1945.6	1943.3	1942.2	1945.6
2°	1939.9	1939.9	1934.2	1933.1	1936.5
3°	1927.4	1926.3	1921.7	1918.3	1920.6
4°	1917.2	1914.9	1911.5	1905.8	1906.9
5°	1917.2	1913.8	1911.5	1903.5	1901.3
6°	1926.3	1924.0	1919.4	1911.5	1909.2
7°	1942.2	1937.6	1933.1	1922.8	1920.6
8°	1959.2	1955.8	1946.7	1936.5	1931.9
9°	1976.3	1968.3	1956.9	1946.7	1945.6
10°	1986.5	1975.1	1962.6	1950.1	1949.0
11°	1985.3	1975.1	1960.3	1949.0	1947.8
12°	1980.8	1966.0	1953.5	1939.9	1941.0
13°	1964.9	1951.3	1938.8	1928.5	1926.3
14°	1943.3	1930.8	1919.4	1909.2	1910.3
15°	1916.0	1902.4	1895.6	1887.6	1888.8
17.5°	1819.4	1816.0	1819.4	1810.3	1813.7
20°	1697.8	1694.4	1704.7	1700.1	1699.0
22.5°	1528.5	1533.0	1552.4	1546.7	1536.5
25°	1313.7	1313.7	1334.2	1331.9	1313.7
27.5°	1034.2	1042.1	1054.6	1060.3	1046.7
30°	720.5	738.7	738.7	750.0	744.4
32.5°	402.3	440.9	450.0	455.7	433.0
35°	194.3	206.8	234.1	213.6	200.0
37.5°	93.2	98.9	126.1	102.3	95.5
40°	46.6	53.4	67.0	55.7	47.7
42.5°	19.3	28.4	35.2	28.4	19.3
45°	4.5	11.4	21.6	11.4	3.4
47.5°	0.0	1.1	10.2	2.3	0.0
50°	0.0	0.0	3.4	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)