

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: P1311708

Luminaire Tested: LDSQA3D17R609040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311708  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R609040DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

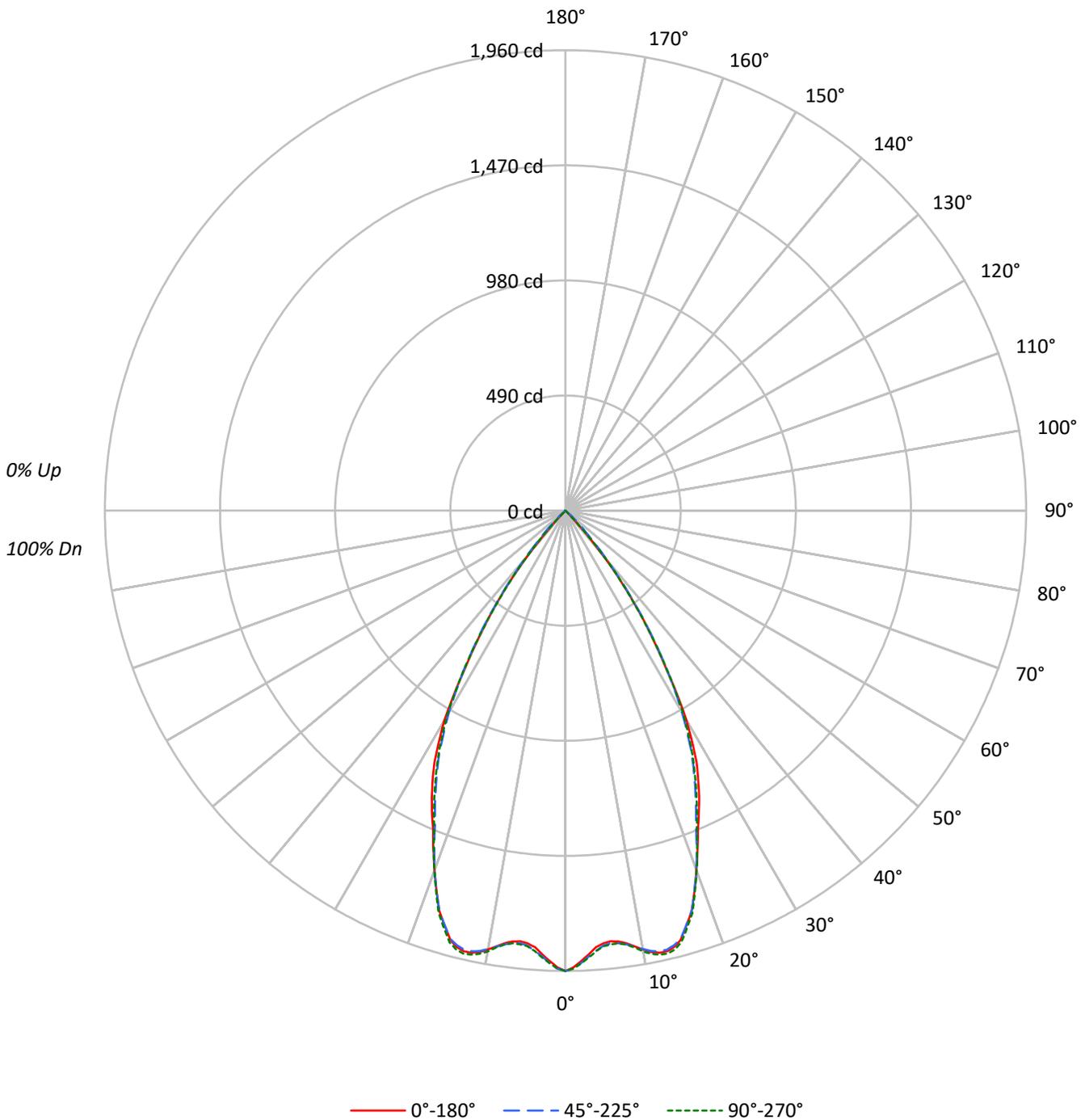
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1737.0 lumens  
Efficiency: N/A  
Efficacy: 81.9 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9  
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 (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





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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	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88	88	88	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82	82	82	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77	77	77	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72	72	72	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	67	67	67	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63	63	63	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59	59	59	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	56	56	56	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53	53	53	53

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

	0°	45°	90°
0°	337574	337574	337574
5°	319708	321385	321852
10°	331869	331397	333338
15°	337375	336876	339355
20°	298556	298556	299069
25°	255852	248232	250322
30°	204672	197235	200258
35°	126988	129595	126694
40°	55756	61354	57307
45°	682	19899	1681
50°	0	2224	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: 19899 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.0	10.3
10°-20°	518.9	29.9
20°-30°	602.4	34.7
30°-40°	379.4	21.8
40°-50°	57.0	3.3
50°-60°	0.3	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°	1300.4	74.9
0°-40°	1679.7	96.7
0°-60°	1737.0	100.0
0°-90°	1737.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1737.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1960	1960	1960	1960	1960	
5°	1849	1856	1859	1863	1862	178
15°	1892	1885	1889	1902	1903	519
25°	1346	1331	1306	1312	1317	612
35°	604	605	616	604	603	377
45°	3	26	82	35	7	37
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°	1960.1	1960.1	1960.1	1960.1	1960.1
1°	1944.8	1950.4	1950.4	1951.8	1950.4
2°	1918.5	1926.8	1926.8	1931.0	1928.2
3°	1892.2	1899.1	1900.5	1906.1	1904.7
4°	1863.1	1874.2	1878.3	1881.1	1879.7
5°	1849.3	1856.2	1859.0	1863.1	1861.7
6°	1843.7	1849.3	1852.0	1856.2	1856.2
7°	1847.9	1852.0	1856.2	1859.0	1856.2
8°	1860.3	1864.5	1864.5	1870.0	1865.9
9°	1878.3	1879.7	1879.7	1886.7	1882.5
10°	1897.7	1895.0	1895.0	1904.7	1906.1
11°	1914.4	1911.6	1910.2	1919.9	1922.7
12°	1924.1	1918.5	1918.5	1931.0	1932.4
13°	1925.4	1918.5	1918.5	1931.0	1935.1
14°	1914.4	1906.1	1907.4	1921.3	1925.4
15°	1892.2	1885.3	1889.4	1901.9	1903.3
17.5°	1786.9	1782.8	1785.5	1793.8	1795.2
20°	1629.0	1626.2	1629.0	1629.0	1631.8
22.5°	1472.5	1465.6	1451.7	1460.0	1461.4
25°	1346.4	1331.2	1306.3	1311.8	1317.3
27.5°	1207.9	1188.5	1162.2	1169.1	1170.5
30°	1029.2	1019.5	991.8	998.7	1007.0
32.5°	795.1	821.4	804.8	803.4	804.8
35°	604.0	605.3	616.4	604.0	602.6
37.5°	422.5	423.9	432.2	418.3	419.7
40°	248.0	266.0	272.9	267.3	254.9
42.5°	77.6	137.1	155.1	134.4	85.9
45°	2.8	26.3	81.7	34.6	6.9
47.5°	0.0	1.4	38.8	2.8	0.0
50°	0.0	0.0	8.3	0.0	0.0
52.5°	0.0	0.0	1.4	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)