

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: P1311709

Luminaire Tested: LDSQA3D17R609040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R609040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

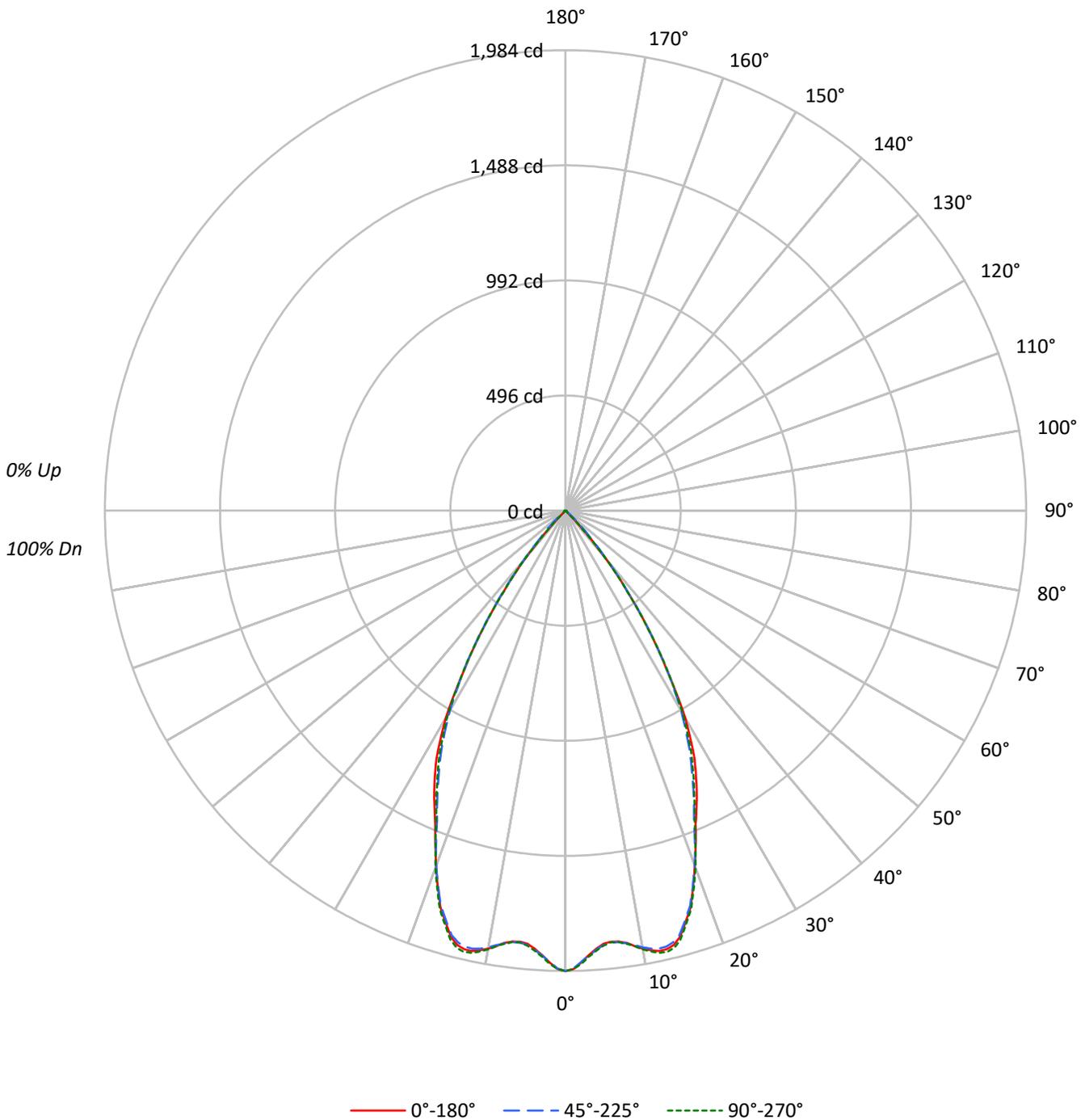
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1770.0 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 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 (A_{in}): 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	100	100	100	100
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	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	84	88	85	83	82	82	82	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76	76	76	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71	71	71	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67	67	67	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55	55	55	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52	52	52	52

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	341759	341759	341759
5°	323909	324877	325344
10°	335174	334195	335891
15°	339248	337768	341227
20°	298721	298464	299985
25°	254199	246826	248935
30°	205170	198010	201312
35°	129847	131025	129553
40°	60702	63197	61646
45°	3702	22261	4384
50°	1849	5198	1849
55°	2072	2072	2072
60°	1894	1894	1894
65°	1712	2241	1712
70°	2115	2115	2115
75°	1863	1863	1863
80°	1389	1389	1389
85°	2766	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 22261 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.8	10.2
10°-20°	520.9	29.4
20°-30°	600.5	33.9
30°-40°	385.6	21.8
40°-50°	67.1	3.8
50°-60°	6.4	0.4
60°-70°	4.9	0.3
70°-80°	3.0	0.2
80°-90°	1.0	0.1
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°	1302.2	73.6
0°-40°	1687.8	95.4
0°-60°	1761.2	99.5
0°-90°	1770.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1770.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1984	1984	1984	1984	1984	
5°	1874	1878	1879	1883	1882	181
15°	1903	1896	1894	1907	1914	521
25°	1338	1322	1299	1300	1310	610
35°	618	614	623	611	616	385
45°	15	46	91	54	18	50
55°	7	7	7	7	7	6
65°	4	6	6	6	4	5
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1984.4	1984.4	1984.4	1984.4	1984.4
1°	1976.1	1974.7	1973.3	1974.7	1976.1
2°	1948.4	1947.0	1945.6	1951.2	1954.0
3°	1918.0	1919.3	1920.7	1923.5	1924.9
4°	1893.0	1895.8	1897.2	1900.0	1901.3
5°	1873.6	1877.8	1879.2	1883.3	1881.9
6°	1868.1	1870.9	1872.3	1873.6	1870.9
7°	1870.9	1872.3	1873.6	1876.4	1873.6
8°	1880.6	1881.9	1883.3	1884.7	1884.7
9°	1900.0	1897.2	1895.8	1901.3	1900.0
10°	1916.6	1912.4	1911.0	1919.3	1920.7
11°	1930.4	1924.9	1923.5	1933.2	1936.0
12°	1940.1	1931.8	1930.4	1942.9	1948.4
13°	1940.1	1929.0	1929.0	1942.9	1951.2
14°	1929.0	1916.6	1916.6	1931.8	1941.5
15°	1902.7	1895.8	1894.4	1906.9	1913.8
17.5°	1791.9	1783.6	1785.0	1798.9	1800.2
20°	1629.9	1625.8	1628.5	1631.3	1636.8
22.5°	1465.1	1462.4	1447.1	1451.3	1454.0
25°	1337.7	1322.5	1298.9	1300.3	1310.0
27.5°	1203.4	1188.2	1154.9	1161.9	1171.5
30°	1031.7	1019.2	995.7	999.8	1012.3
32.5°	810.1	835.0	812.9	819.8	815.6
35°	617.6	613.5	623.2	610.7	616.2
37.5°	434.8	436.2	440.4	429.3	429.3
40°	270.0	277.0	281.1	275.6	274.2
42.5°	113.6	155.1	163.4	155.1	114.9
45°	15.2	45.7	91.4	54.0	18.0
47.5°	6.9	9.7	48.5	9.7	6.9
50°	6.9	6.9	19.4	6.9	6.9
52.5°	6.9	6.9	6.9	6.9	6.9
55°	6.9	6.9	6.9	6.9	6.9
57.5°	6.9	6.9	6.9	6.9	6.9
60°	5.5	5.5	5.5	5.5	5.5
62.5°	5.5	5.5	5.5	5.5	5.5
65°	4.2	5.5	5.5	5.5	4.2
67.5°	4.2	4.2	4.2	4.2	4.2
70°	4.2	4.2	4.2	4.2	4.2
72.5°	2.8	2.8	2.8	2.8	2.8
75°	2.8	2.8	2.8	2.8	2.8
77.5°	2.8	2.8	2.8	2.8	2.8
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4
85°	1.4	1.4	1.4	1.4	1.4
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)