

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: P1307818

Luminaire Tested: LDSQA3D05R359027DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307818
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R359027DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

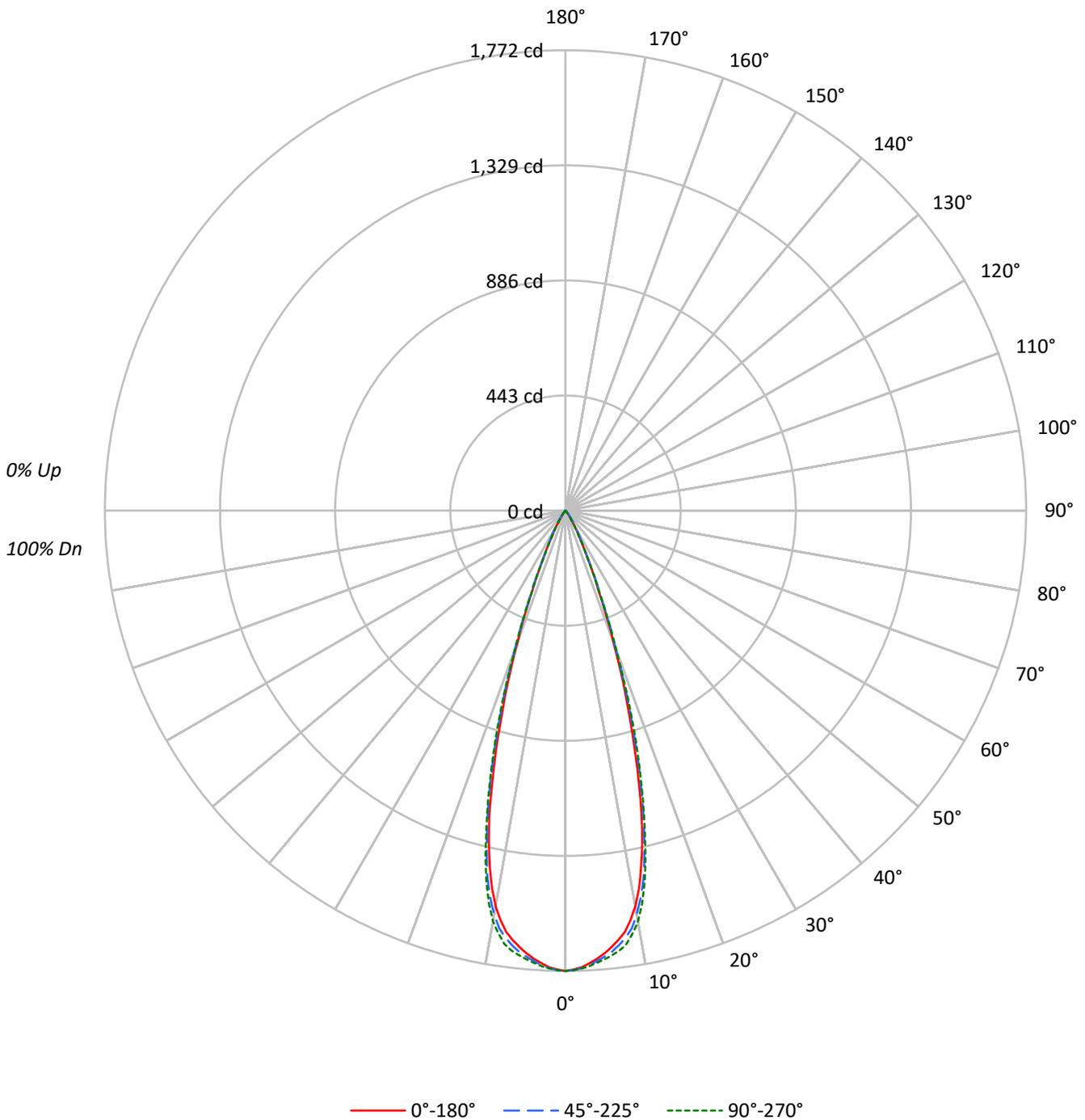
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 590.0 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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				
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	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	96	96	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	93	93	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	89	89	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	86	86	86
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	83	83	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	80	80	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78	78	78	78
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	75	75	75	75
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	73	73	73	73
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	71	71	71	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	305179	305179	305179
5°	295920	298029	299636
10°	270416	276135	280874
15°	194470	202974	204633
20°	99005	103972	104229
25°	37568	38366	37302
30°	14597	16904	14219
35°	5004	7863	4709
40°	1686	3058	1574
45°	122	1023	122
50°	0	134	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: 1023 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.4	27.2
10°-20°	298.9	50.7
20°-30°	107.4	18.2
30°-40°	21.0	3.6
40°-50°	2.3	0.4
50°-60°	0.0	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°	566.7	96.0
0°-40°	587.7	99.6
0°-60°	590.0	100.0
0°-90°	590.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	590.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1772	1772	1772	1772	1772	
5°	1712	1716	1724	1732	1733	159
15°	1091	1109	1138	1146	1148	290
25°	198	200	202	200	196	104
35°	24	27	37	28	22	18
45°	0	1	4	1	0	1
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°	1772.0	1772.0	1772.0	1772.0	1772.0
1°	1766.9	1769.2	1769.7	1773.0	1769.2
2°	1759.4	1760.8	1762.7	1765.5	1763.6
3°	1744.9	1747.7	1751.9	1755.7	1755.7
4°	1729.5	1733.2	1738.4	1744.9	1744.5
5°	1711.7	1716.4	1723.9	1731.8	1733.2
6°	1689.3	1694.9	1707.1	1718.3	1720.2
7°	1665.5	1673.9	1685.6	1701.9	1706.1
8°	1637.4	1644.0	1660.8	1680.0	1684.6
9°	1596.3	1606.1	1627.6	1645.4	1648.2
10°	1546.3	1553.3	1579.0	1597.7	1606.1
11°	1481.8	1492.1	1517.3	1536.5	1542.1
12°	1399.6	1414.5	1444.0	1458.0	1462.7
13°	1310.8	1323.4	1346.3	1363.6	1367.3
14°	1210.8	1222.9	1246.8	1260.8	1257.5
15°	1090.7	1108.9	1138.4	1146.3	1147.7
17.5°	805.6	817.3	843.5	856.1	865.0
20°	540.2	551.4	567.3	575.7	568.7
22.5°	328.5	337.9	346.3	345.8	343.5
25°	197.7	199.5	201.9	200.5	196.3
27.5°	115.4	120.6	127.6	122.9	115.9
30°	73.4	77.6	85.0	77.1	71.5
32.5°	38.8	49.1	57.0	46.3	40.7
35°	23.8	27.1	37.4	27.6	22.4
37.5°	14.5	16.8	23.4	16.4	13.1
40°	7.5	10.7	13.6	9.8	7.0
42.5°	2.3	5.1	7.5	4.7	2.3
45°	0.5	1.4	4.2	1.4	0.5
47.5°	0.0	0.0	1.9	0.5	0.0
50°	0.0	0.0	0.5	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)