

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: P1318941

Luminaire Tested: LDSQA3D05R309835DE010 3LSQPHR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318941
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309835DE010 3LSQPHR1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

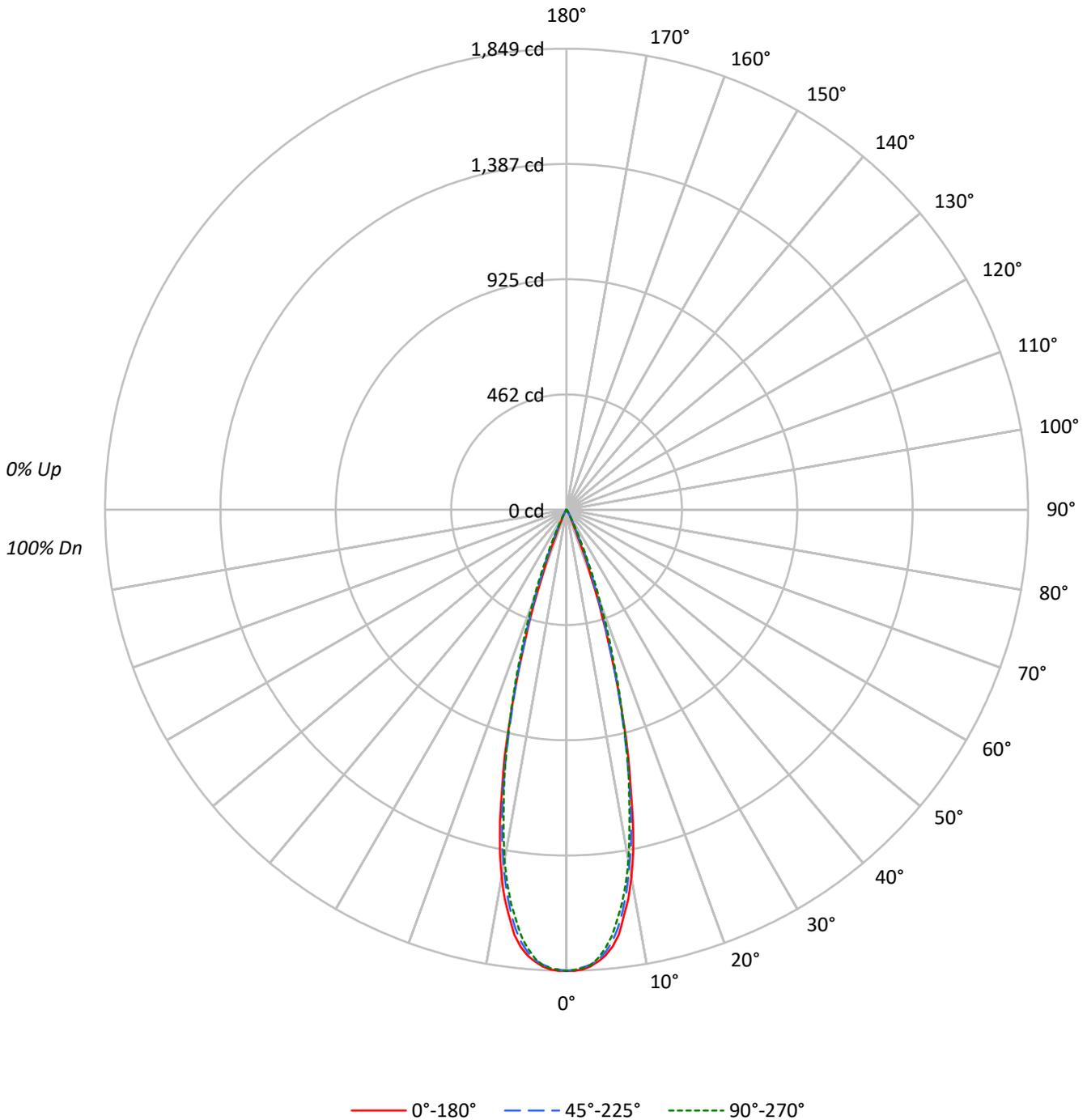
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 448.0 lumens
Efficiency: N/A
Efficacy: 62.2 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	84	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	82	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	80	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	318422	318422	318422
5°	310234	308090	305549
10°	261812	253768	249640
15°	157776	153354	156189
20°	53516	61801	71276
25°	9843	15411	18205
30°	3381	3759	4216
35°	967	1219	1304
40°	270	427	337
45°	97	97	97
50°	107	0	107
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: 0°
 Vertical Angle: 52.5°
 Luminance: 113 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.9	35.7
10°-20°	233.7	52.2
20°-30°	49.4	11.0
30°-40°	4.6	1.0
40°-50°	0.4	0.1
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°	443.0	98.9
0°-40°	447.5	99.9
0°-60°	448.0	100.0
0°-90°	448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	448.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1849	1849	1849	1849	1849	
5°	1794	1791	1782	1777	1767	162
15°	885	882	860	880	876	233
25°	52	58	81	95	96	38
35°	5	6	6	7	6	4
45°	0	0	0	0	0	0
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°	1848.9	1848.9	1848.9	1848.9	1848.9
1°	1849.3	1847.4	1844.7	1848.5	1845.8
2°	1845.4	1840.8	1836.9	1840.8	1839.6
3°	1833.9	1830.0	1827.3	1829.2	1829.2
4°	1816.5	1812.2	1809.9	1810.3	1804.5
5°	1794.5	1791.0	1782.1	1776.7	1767.4
6°	1762.0	1753.5	1742.7	1733.8	1721.8
7°	1718.0	1704.8	1689.4	1673.9	1658.9
8°	1647.3	1641.1	1620.3	1609.8	1594.8
9°	1580.9	1565.8	1543.4	1526.4	1518.3
10°	1497.1	1474.7	1451.1	1437.6	1427.5
11°	1397.8	1375.0	1356.1	1336.4	1320.9
12°	1281.1	1261.8	1240.2	1227.1	1208.9
13°	1142.9	1140.2	1115.8	1111.6	1109.3
14°	1024.3	1013.5	989.5	996.1	997.6
15°	884.9	881.8	860.1	880.2	876.0
17.5°	554.2	555.4	568.9	600.6	610.6
20°	292.0	300.9	337.2	375.4	388.9
22.5°	118.2	137.9	175.0	200.8	218.2
25°	51.8	57.9	81.1	95.4	95.8
27.5°	29.4	29.7	39.0	40.6	41.3
30°	17.0	17.4	18.9	20.1	21.2
32.5°	9.3	10.0	10.4	12.0	12.0
35°	4.6	5.8	5.8	7.0	6.2
37.5°	2.7	3.1	3.5	3.5	3.1
40°	1.2	1.5	1.9	1.9	1.5
42.5°	0.4	0.8	0.8	0.8	1.2
45°	0.4	0.4	0.4	0.4	0.4
47.5°	0.4	0.4	0.0	0.4	0.4
50°	0.4	0.0	0.0	0.0	0.4
52.5°	0.4	0.0	0.0	0.0	0.4
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)