

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: P1310199

Luminaire Tested: LDSQA3D09R309035DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310199
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: LDSQA3D09R309035DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

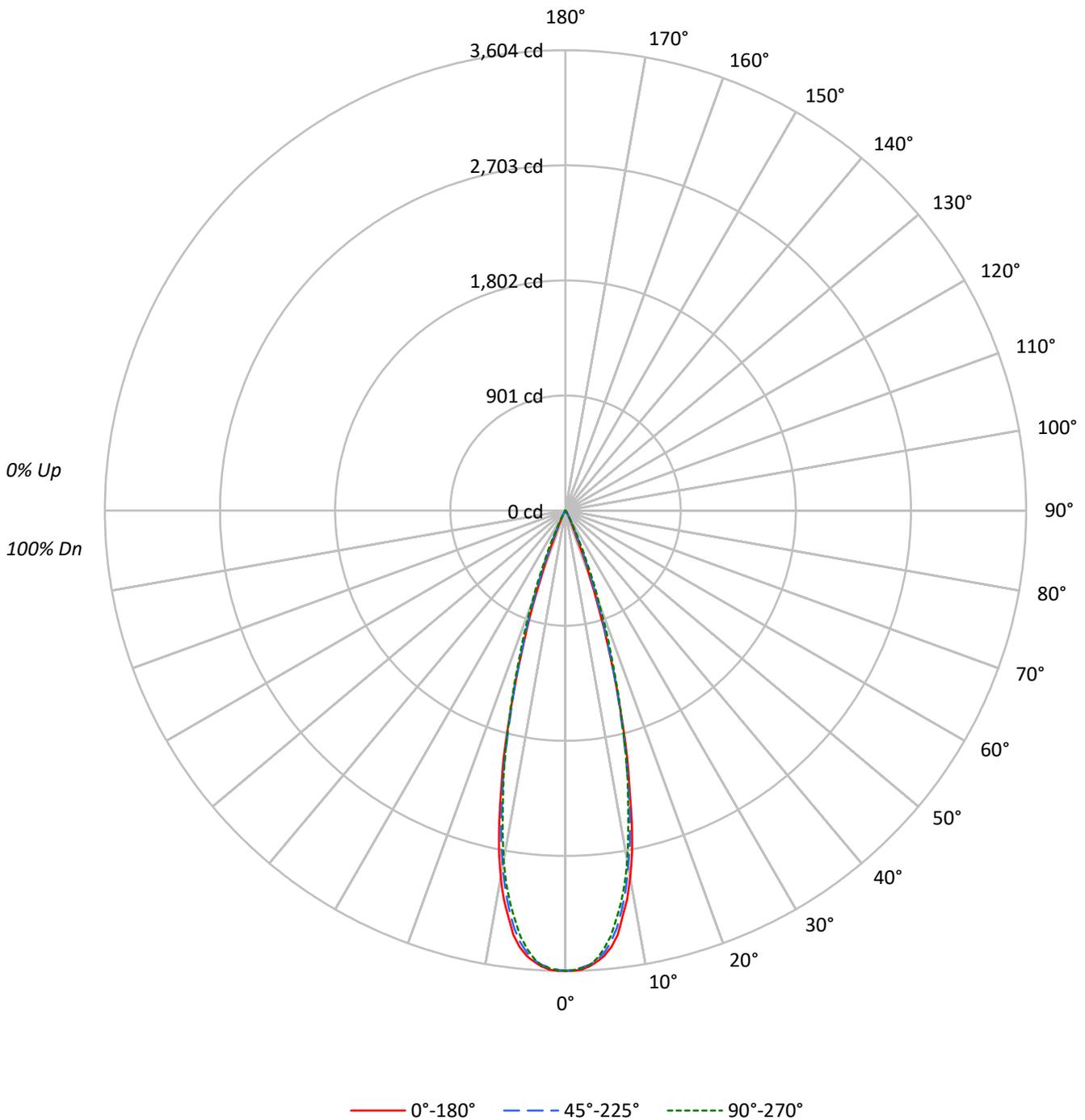
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 873.0 lumens
Efficiency: N/A
Efficacy: 78.7 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): 11.1
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				
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	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	87	87	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	84	84	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	82	82	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	80	80	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	620501	620501	620501
5°	604529	600362	595418
10°	510158	494507	486480
15°	307439	298845	304355
20°	104284	120430	138905
25°	19174	30043	35478
30°	6582	7338	8233
35°	1892	2376	2523
40°	517	854	674
45°	195	195	195
50°	214	0	214
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: 226 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.5	35.7
10°-20°	455.3	52.2
20°-30°	96.3	11.0
30°-40°	8.9	1.0
40°-50°	0.9	0.1
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°	863.2	98.9
0°-40°	872.1	99.9
0°-60°	873.0	100.0
0°-90°	873.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	873.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3603	3603	3603	3603	3603	
5°	3497	3490	3473	3462	3444	316
15°	1724	1718	1676	1715	1707	455
25°	101	113	158	186	187	74
35°	9	11	11	14	12	8
45°	1	1	1	1	1	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°	3602.9	3602.9	3602.9	3602.9	3602.9
1°	3603.7	3599.9	3594.6	3602.2	3596.9
2°	3596.1	3587.1	3579.6	3587.1	3584.8
3°	3573.6	3566.0	3560.8	3564.5	3564.5
4°	3539.7	3531.4	3526.9	3527.6	3516.4
5°	3496.8	3490.0	3472.7	3462.2	3444.1
6°	3433.6	3417.0	3395.9	3378.6	3355.3
7°	3347.8	3322.2	3292.1	3262.0	3232.6
8°	3210.0	3198.0	3157.3	3137.0	3107.7
9°	3080.6	3051.2	3007.6	2974.4	2958.6
10°	2917.2	2873.6	2827.7	2801.3	2781.8
11°	2723.8	2679.4	2642.5	2604.1	2574.0
12°	2496.5	2458.9	2416.7	2391.1	2355.8
13°	2227.1	2221.8	2174.4	2166.1	2161.6
14°	1996.0	1974.9	1928.3	1941.1	1944.1
15°	1724.3	1718.3	1676.1	1715.3	1707.0
17.5°	1080.0	1082.3	1108.6	1170.4	1189.9
20°	569.0	586.3	657.1	731.6	757.9
22.5°	230.3	268.7	340.9	391.4	425.2
25°	100.9	112.9	158.1	185.9	186.7
27.5°	57.2	58.0	76.0	79.0	80.5
30°	33.1	33.9	36.9	39.1	41.4
32.5°	18.1	19.6	20.3	23.3	23.3
35°	9.0	11.3	11.3	13.5	12.0
37.5°	5.3	6.0	6.8	6.8	6.0
40°	2.3	3.0	3.8	3.8	3.0
42.5°	0.8	1.5	1.5	1.5	2.3
45°	0.8	0.8	0.8	0.8	0.8
47.5°	0.8	0.8	0.0	0.8	0.8
50°	0.8	0.0	0.0	0.0	0.8
52.5°	0.8	0.0	0.0	0.0	0.8
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)