

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: P1323472

Luminaire Tested: LDSQA3D02R309030D2WDE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323472
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R309030D2WDE010 3LSQPHRL1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

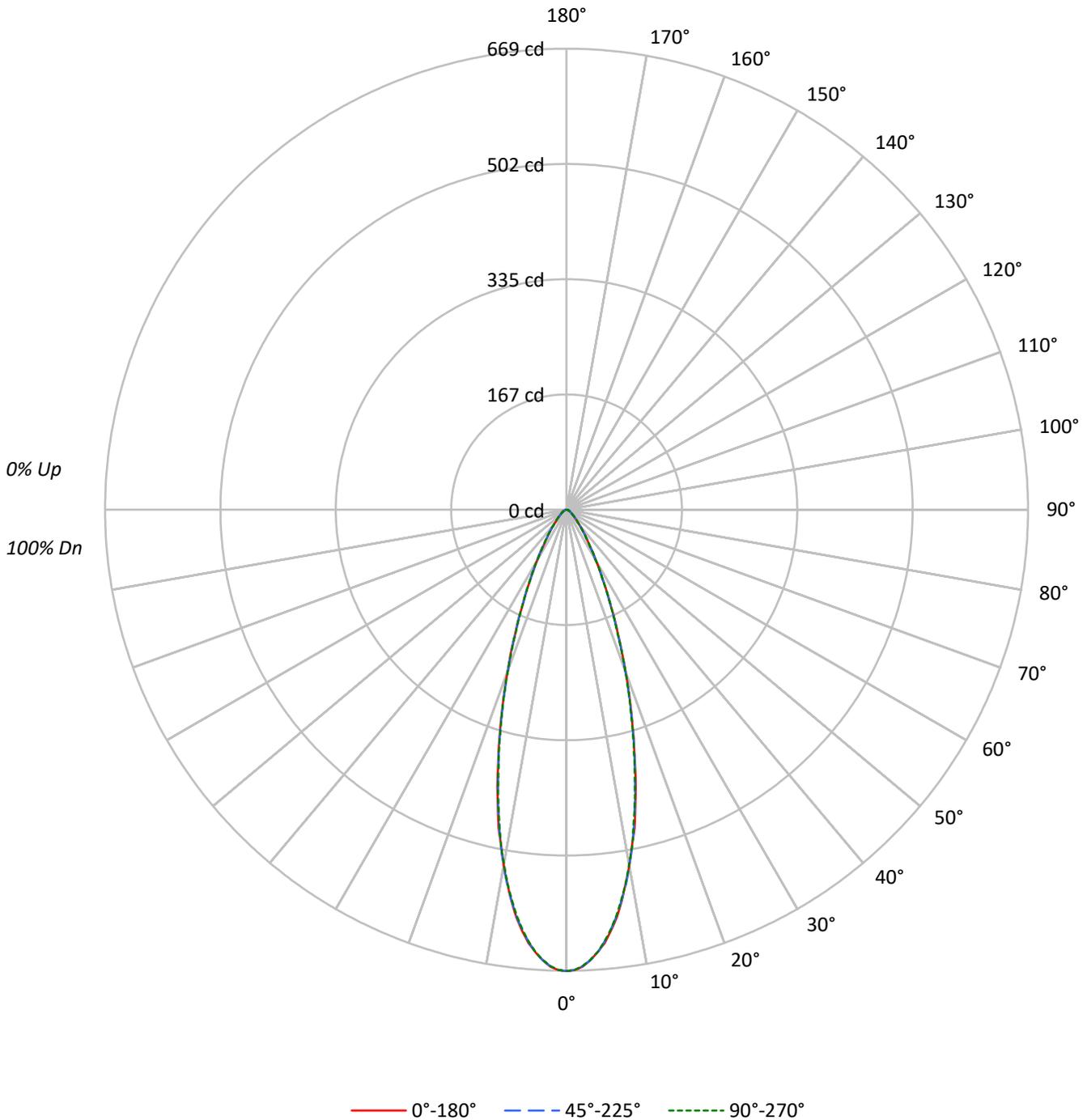
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 294.0 lumens
Efficiency: N/A
Efficacy: 40.8 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94	94	94	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	88	88	88	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83	83	83	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78	78	78	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74	74	74	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	70	70	70	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	66	66	66	66
8	83	75	69	65	82	74	69	65	73	68	65	72	68	65	71	67	65	63	63	63	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	61	61	61	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58	58	58	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	115286	115286	115286
5°	109157	108880	108811
10°	91707	91707	91357
15°	68324	68145	67735
20°	45727	45489	45544
25°	28181	28124	28257
30°	16943	16943	17023
35°	10386	10386	10470
40°	6587	6587	6722
45°	4506	4603	4603
50°	3322	3322	3322
55°	2552	2642	2642
60°	2136	2136	2239
65°	1875	1875	1875
70°	1662	1813	1813
75°	1530	1530	1530
80°	1289	1289	1289
85°	593	593	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4603 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	19.3
10°-20°	104.8	35.6
20°-30°	69.7	23.7
30°-40°	32.2	11.0
40°-50°	15.0	5.1
50°-60°	8.0	2.7
60°-70°	4.7	1.6
70°-80°	2.5	0.8
80°-90°	0.5	0.2
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°	231.2	78.6
0°-40°	263.4	89.6
0°-60°	286.4	97.4
0°-90°	294.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	294.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	669	669	669	669	669	
5°	631	630	630	631	629	57
15°	383	384	382	382	380	105
25°	148	148	148	148	149	70
35°	49	49	49	50	50	32
45°	18	18	19	19	19	15
55°	8	9	9	9	9	8
65°	5	5	5	5	5	5
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	669.4	669.4	669.4	669.4	669.4
1°	668.1	667.5	668.1	669.1	667.8
2°	663.6	662.9	662.9	664.2	662.9
3°	654.8	655.5	655.1	656.4	654.2
4°	643.7	643.4	644.7	645.4	643.4
5°	631.4	630.1	629.8	631.4	629.4
6°	614.5	613.5	612.8	614.8	612.2
7°	596.2	595.6	594.6	595.3	593.3
8°	573.8	573.5	572.8	573.5	571.2
9°	548.8	548.8	550.1	549.7	548.4
10°	524.4	525.0	524.4	525.0	522.4
11°	497.0	497.0	497.7	497.4	497.7
12°	473.3	470.7	470.0	469.4	467.4
13°	442.7	440.8	440.1	440.8	439.8
14°	414.7	413.4	410.2	410.8	409.5
15°	383.2	384.5	382.2	382.2	379.9
17.5°	313.3	311.9	312.6	312.9	311.9
20°	249.5	248.8	248.2	247.5	248.5
22.5°	193.9	194.2	193.5	192.9	192.2
25°	148.3	148.0	148.0	148.0	148.7
27.5°	112.5	112.5	112.5	112.9	112.9
30°	85.2	84.6	85.2	85.6	85.6
32.5°	63.8	64.4	64.7	64.7	64.7
35°	49.4	49.1	49.4	49.8	49.8
37.5°	37.7	37.7	38.1	38.1	38.4
40°	29.3	29.3	29.3	29.6	29.9
42.5°	23.1	23.1	23.4	23.4	23.7
45°	18.5	18.5	18.9	18.9	18.9
47.5°	15.0	15.0	15.3	15.3	15.3
50°	12.4	12.4	12.4	12.4	12.4
52.5°	10.4	10.1	10.4	10.4	10.4
55°	8.5	8.8	8.8	8.8	8.8
57.5°	7.2	7.5	7.5	7.5	7.5
60°	6.2	6.2	6.2	6.5	6.5
62.5°	5.2	5.5	5.5	5.5	5.5
65°	4.6	4.6	4.6	4.6	4.6
67.5°	3.9	3.9	3.9	3.9	4.2
70°	3.3	3.3	3.6	3.6	3.6
72.5°	2.9	2.9	2.9	2.9	2.9
75°	2.3	2.3	2.3	2.3	2.3
77.5°	1.6	1.6	2.0	2.0	1.6
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.3	0.3	0.3	0.3	0.3
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)