

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: P1310994

Luminaire Tested: LDSQA3D02R309040DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310994
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: LDSQA3D02R309040DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

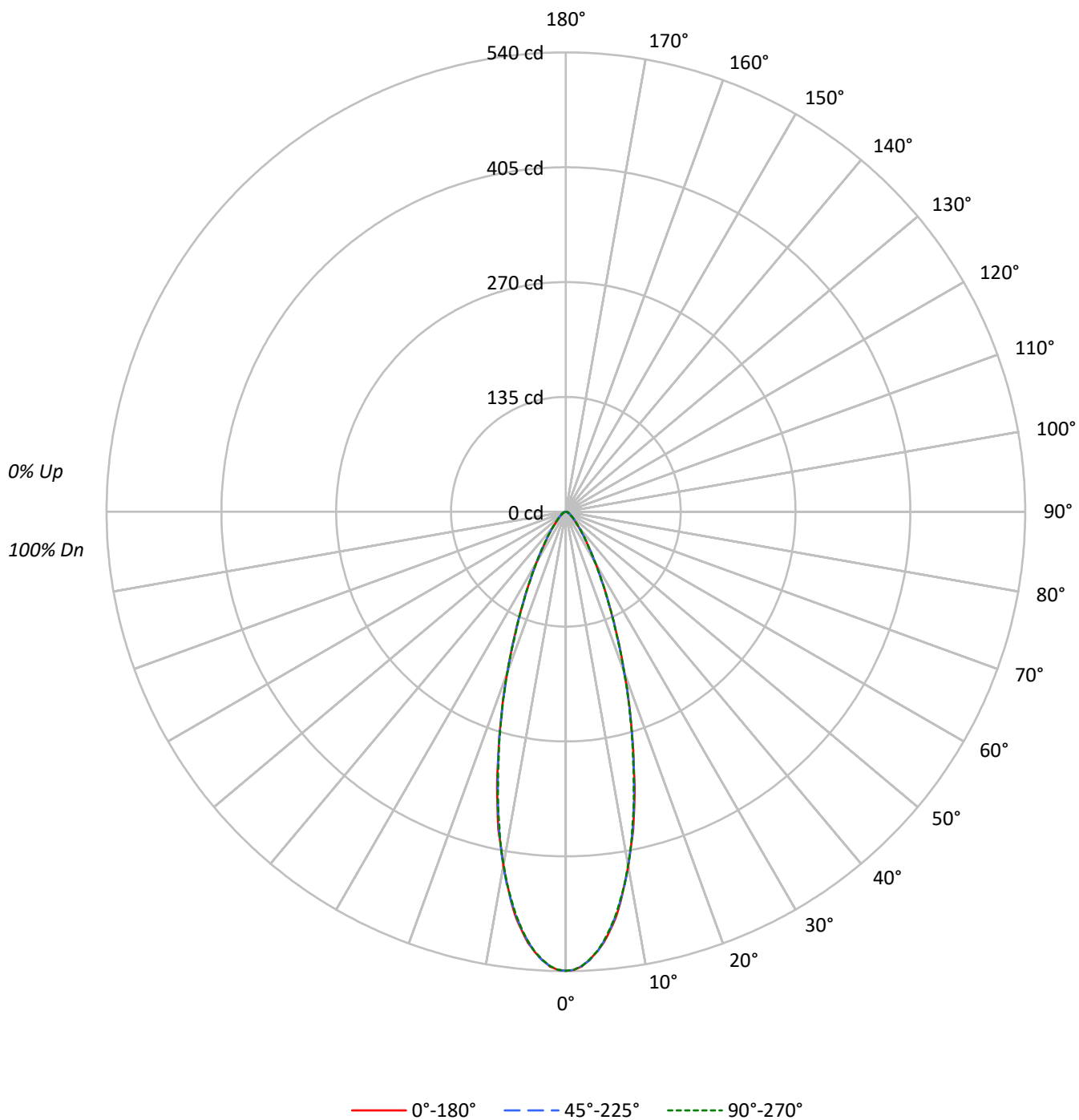
Lumens per Lamp: N/A
Luminaire Lumens: 237.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89	86	84	83
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85	82	79	78
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77	74	71	70
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74	71	68	66
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71	67	65	63
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	92931	92931	92931
5°	87996	87771	87720
10°	73922	73922	73642
15°	55076	54934	54613
20°	36857	36673	36710
25°	22727	22670	22765
30°	13662	13662	13722
35°	8389	8389	8431
40°	5306	5306	5418
45°	3629	3702	3702
50°	2679	2679	2679
55°	2042	2132	2132
60°	1722	1722	1791
65°	1508	1508	1508
70°	1309	1460	1460
75°	1198	1198	1198
80°	992	992	992
85°	593	593	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3702 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.7	19.3
10°-20°	84.5	35.6
20°-30°	56.1	23.7
30°-40°	26.0	11.0
40°-50°	12.1	5.1
50°-60°	6.4	2.7
60°-70°	3.8	1.6
70°-80°	2.0	0.8
80°-90°	0.4	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°	186.4	78.6
0°-40°	212.3	89.6
0°-60°	230.8	97.4
0°-90°	237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	237.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	540	540	540	540	540	
5°	509	508	508	509	507	46
15°	309	310	308	308	306	85
25°	120	119	119	119	120	56
35°	40	40	40	40	40	26
45°	15	15	15	15	15	12
55°	7	7	7	7	7	6
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	539.6	539.6	539.6	539.6	539.6
1°	538.6	538.1	538.6	539.4	538.3
2°	534.9	534.4	534.4	535.5	534.4
3°	527.8	528.4	528.1	529.2	527.3
4°	518.9	518.7	519.7	520.2	518.7
5°	509.0	507.9	507.7	509.0	507.4
6°	495.3	494.5	494.0	495.6	493.5
7°	480.7	480.1	479.3	479.9	478.3
8°	462.6	462.3	461.8	462.3	460.5
9°	442.4	442.4	443.4	443.2	442.1
10°	422.7	423.2	422.7	423.2	421.1
11°	400.7	400.7	401.2	400.9	401.2
12°	381.5	379.4	378.9	378.4	376.8
13°	356.9	355.3	354.8	355.3	354.5
14°	334.3	333.3	330.7	331.2	330.1
15°	308.9	309.9	308.1	308.1	306.3
17.5°	252.5	251.5	252.0	252.3	251.5
20°	201.1	200.6	200.1	199.5	200.3
22.5°	156.3	156.5	156.0	155.5	155.0
25°	119.6	119.3	119.3	119.3	119.8
27.5°	90.7	90.7	90.7	91.0	91.0
30°	68.7	68.2	68.7	69.0	69.0
32.5°	51.4	51.9	52.2	52.2	52.2
35°	39.9	39.6	39.9	40.1	40.1
37.5°	30.4	30.4	30.7	30.7	30.9
40°	23.6	23.6	23.6	23.9	24.1
42.5°	18.6	18.6	18.9	18.9	19.1
45°	14.9	14.9	15.2	15.2	15.2
47.5°	12.1	12.1	12.3	12.3	12.3
50°	10.0	10.0	10.0	10.0	10.0
52.5°	8.4	8.1	8.4	8.4	8.4
55°	6.8	7.1	7.1	7.1	7.1
57.5°	5.8	6.0	6.0	6.0	6.0
60°	5.0	5.0	5.0	5.2	5.2
62.5°	4.2	4.5	4.5	4.5	4.5
65°	3.7	3.7	3.7	3.7	3.7
67.5°	3.1	3.1	3.1	3.1	3.4
70°	2.6	2.6	2.9	2.9	2.9
72.5°	2.4	2.4	2.4	2.4	2.4
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.3	1.3	1.6	1.6	1.3
80°	1.0	1.0	1.0	1.0	1.0
82.5°	0.8	0.8	0.8	0.8	0.8
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)