

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: P1312562

Luminaire Tested: LDSQA3D13R309050DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312562
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: LDSQA3D13R309050DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

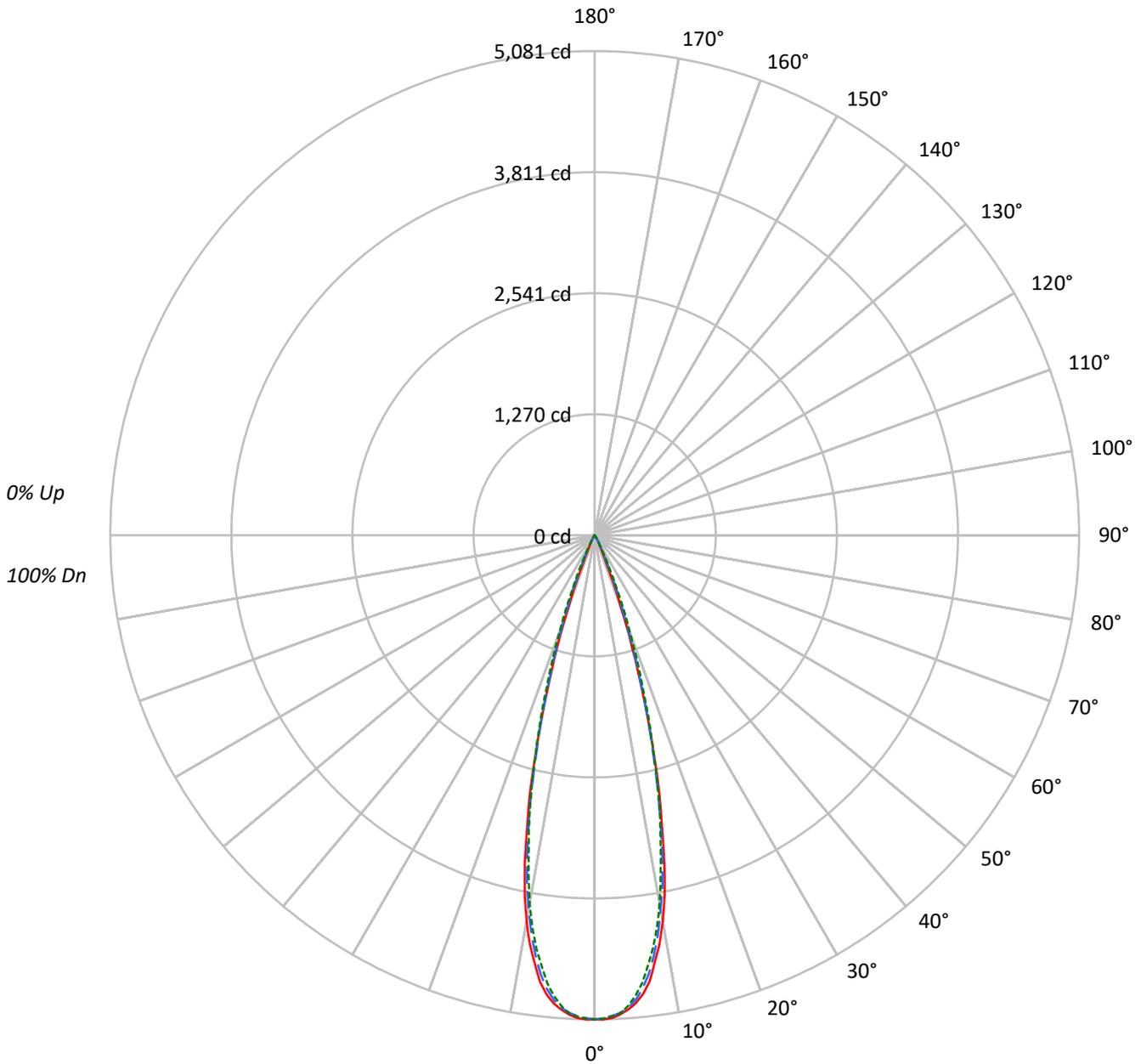
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1231.0 lumens
Efficiency: N/A
Efficacy: 84.3 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): 14.6
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	102	102	102	100
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	99	99	99	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	96	96	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	96	94	93	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	94	92	90	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	92	89	88	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	90	87	85	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	88	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	86	83	81	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	874960	874960	874960
5°	852422	846561	839594
10°	719384	697297	685965
15°	433514	421407	429163
20°	147042	169805	195867
25°	27022	42357	50015
30°	9287	10341	11614
35°	2670	3343	3574
40°	719	1192	944
45°	268	268	268
50°	295	0	295
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: 311 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.3	35.7
10°-20°	642.0	52.2
20°-30°	135.9	11.0
30°-40°	12.5	1.0
40°-50°	1.2	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°	1217.2	98.9
0°-40°	1229.7	99.9
0°-60°	1231.0	100.0
0°-90°	1231.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1231.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5080	5080	5080	5080	5080	
5°	4931	4921	4897	4882	4856	445
15°	2431	2423	2364	2419	2407	641
25°	142	159	223	262	263	104
35°	13	16	16	19	17	11
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°	5080.4	5080.4	5080.4	5080.4	5080.4
1°	5081.4	5076.1	5068.7	5079.3	5071.9
2°	5070.8	5058.1	5047.5	5058.1	5054.9
3°	5039.0	5028.4	5021.0	5026.3	5026.3
4°	4991.2	4979.6	4973.2	4974.3	4958.3
5°	4930.7	4921.2	4896.8	4881.9	4856.5
6°	4841.6	4818.2	4788.5	4764.1	4731.2
7°	4720.6	4684.5	4642.1	4599.6	4558.2
8°	4526.4	4509.4	4452.1	4423.4	4382.1
9°	4343.9	4302.5	4240.9	4194.2	4171.9
10°	4113.6	4052.0	3987.3	3950.1	3922.5
11°	3840.8	3778.2	3726.2	3672.1	3629.6
12°	3520.3	3467.2	3407.8	3371.7	3321.8
13°	3140.4	3132.9	3066.1	3054.4	3048.0
14°	2814.5	2784.8	2719.0	2737.1	2741.3
15°	2431.4	2422.9	2363.5	2418.7	2407.0
17.5°	1522.9	1526.1	1563.3	1650.3	1677.9
20°	802.3	826.7	926.5	1031.6	1068.7
22.5°	324.8	378.9	480.8	551.9	599.6
25°	142.2	159.2	222.9	262.1	263.2
27.5°	80.7	81.7	107.2	111.4	113.6
30°	46.7	47.8	52.0	55.2	58.4
32.5°	25.5	27.6	28.7	32.9	32.9
35°	12.7	15.9	15.9	19.1	17.0
37.5°	7.4	8.5	9.6	9.6	8.5
40°	3.2	4.2	5.3	5.3	4.2
42.5°	1.1	2.1	2.1	2.1	3.2
45°	1.1	1.1	1.1	1.1	1.1
47.5°	1.1	1.1	0.0	1.1	1.1
50°	1.1	0.0	0.0	0.0	1.1
52.5°	1.1	0.0	0.0	0.0	1.1
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)