

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: P1315620

Luminaire Tested: LDSQA3D13R309735DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309735DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

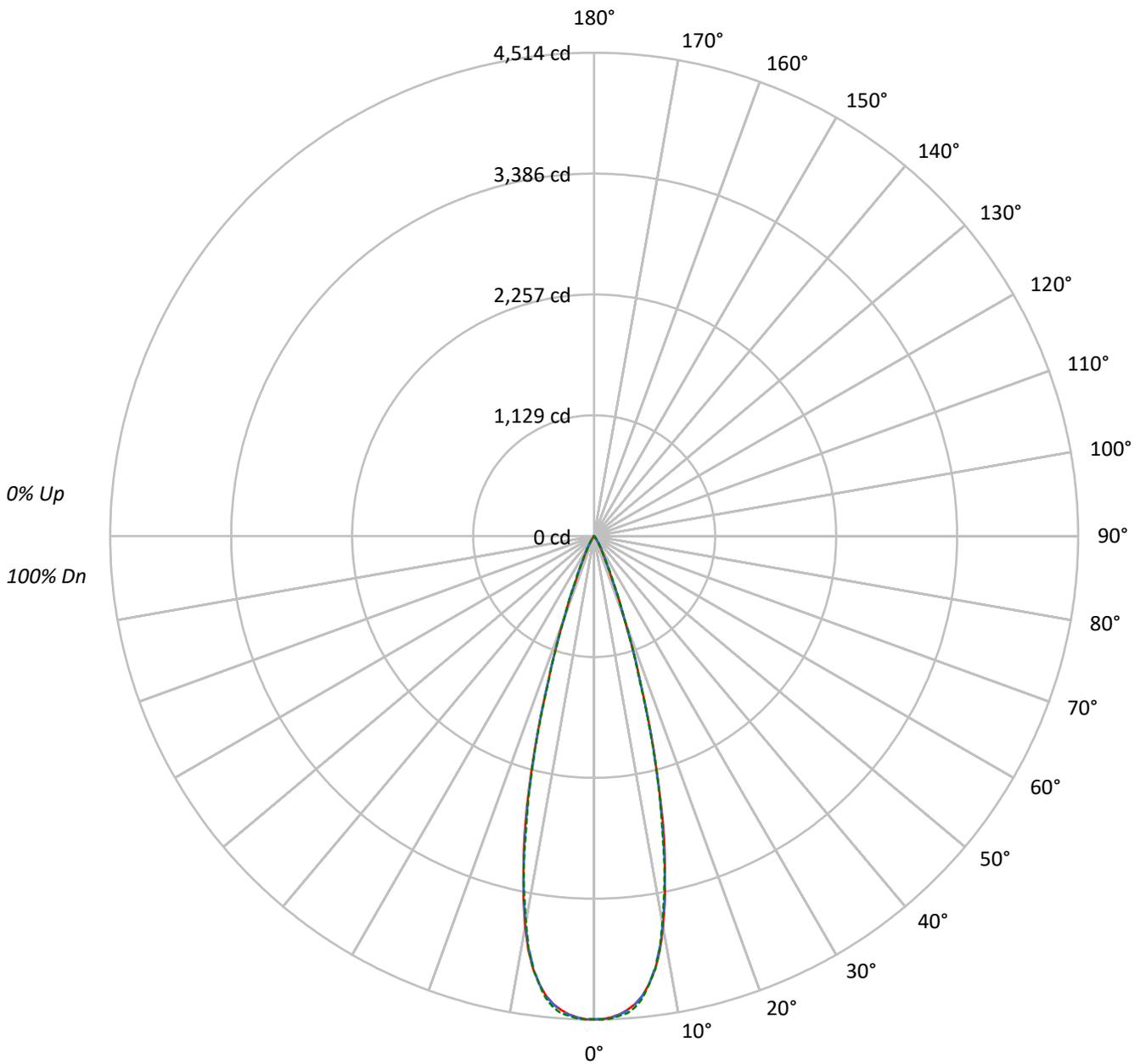
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1164.0 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 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 (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



— 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
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	102	101	100	99	99	97	97	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	91	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	88	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	86	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	83	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	81	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	79	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	75	75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	776896	776896	776896
5°	757960	758894	763129
10°	647351	644343	640548
15°	399494	394805	396267
20°	150982	151807	151642
25°	46443	50927	48514
30°	18713	23764	19449
35°	5529	10092	5719
40°	2248	4069	2248
45°	438	1315	438
50°	0	241	0
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: 45°
 Vertical Angle: 45°
 Luminance: 1315 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.9	34.2
10°-20°	589.1	50.6
20°-30°	146.1	12.6
30°-40°	27.4	2.4
40°-50°	3.5	0.3
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°	1133.1	97.3
0°-40°	1160.5	99.7
0°-60°	1164.0	100.0
0°-90°	1164.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1164.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4511	4511	4511	4511	4511	
5°	4384	4382	4390	4397	4414	398
15°	2241	2219	2214	2232	2222	592
25°	244	261	268	267	255	141
35°	26	34	48	35	27	22
45°	2	3	5	4	2	2
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°	4511.0	4511.0	4511.0	4511.0	4511.0
1°	4512.9	4509.2	4509.2	4503.8	4513.8
2°	4496.6	4492.9	4499.3	4494.8	4507.4
3°	4472.1	4467.6	4476.6	4479.4	4485.7
4°	4435.9	4432.3	4442.2	4447.7	4464.9
5°	4384.3	4382.5	4389.7	4397.0	4414.2
6°	4313.7	4311.0	4315.5	4324.6	4335.4
7°	4211.4	4206.0	4209.6	4211.4	4214.1
8°	4081.9	4073.8	4069.3	4079.2	4084.7
9°	3915.4	3906.3	3896.4	3892.7	3905.4
10°	3701.7	3688.1	3684.5	3675.5	3662.8
11°	3453.7	3442.8	3440.1	3423.8	3416.6
12°	3169.4	3164.0	3170.3	3160.4	3156.7
13°	2896.9	2862.5	2858.0	2839.0	2829.0
14°	2574.6	2543.0	2542.0	2532.1	2545.7
15°	2240.6	2218.9	2214.3	2231.5	2222.5
17.5°	1428.5	1443.0	1439.4	1430.4	1415.0
20°	823.8	813.9	828.3	832.0	827.4
22.5°	439.1	442.7	445.4	456.3	463.5
25°	244.4	260.7	268.0	267.1	255.3
27.5°	152.1	162.0	175.6	166.6	156.6
30°	94.1	102.3	119.5	103.2	97.8
32.5°	50.7	64.3	76.9	64.3	52.5
35°	26.3	34.4	48.0	35.3	27.2
37.5°	17.2	19.9	30.8	19.9	17.2
40°	10.0	12.7	18.1	12.7	10.0
42.5°	4.5	7.2	10.0	7.2	4.5
45°	1.8	2.7	5.4	3.6	1.8
47.5°	0.0	0.9	2.7	0.9	0.0
50°	0.0	0.0	0.9	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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)