

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: P1314648

Luminaire Tested: LDSQA3D13R309730DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314648
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: LDSQA3D13R309730DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

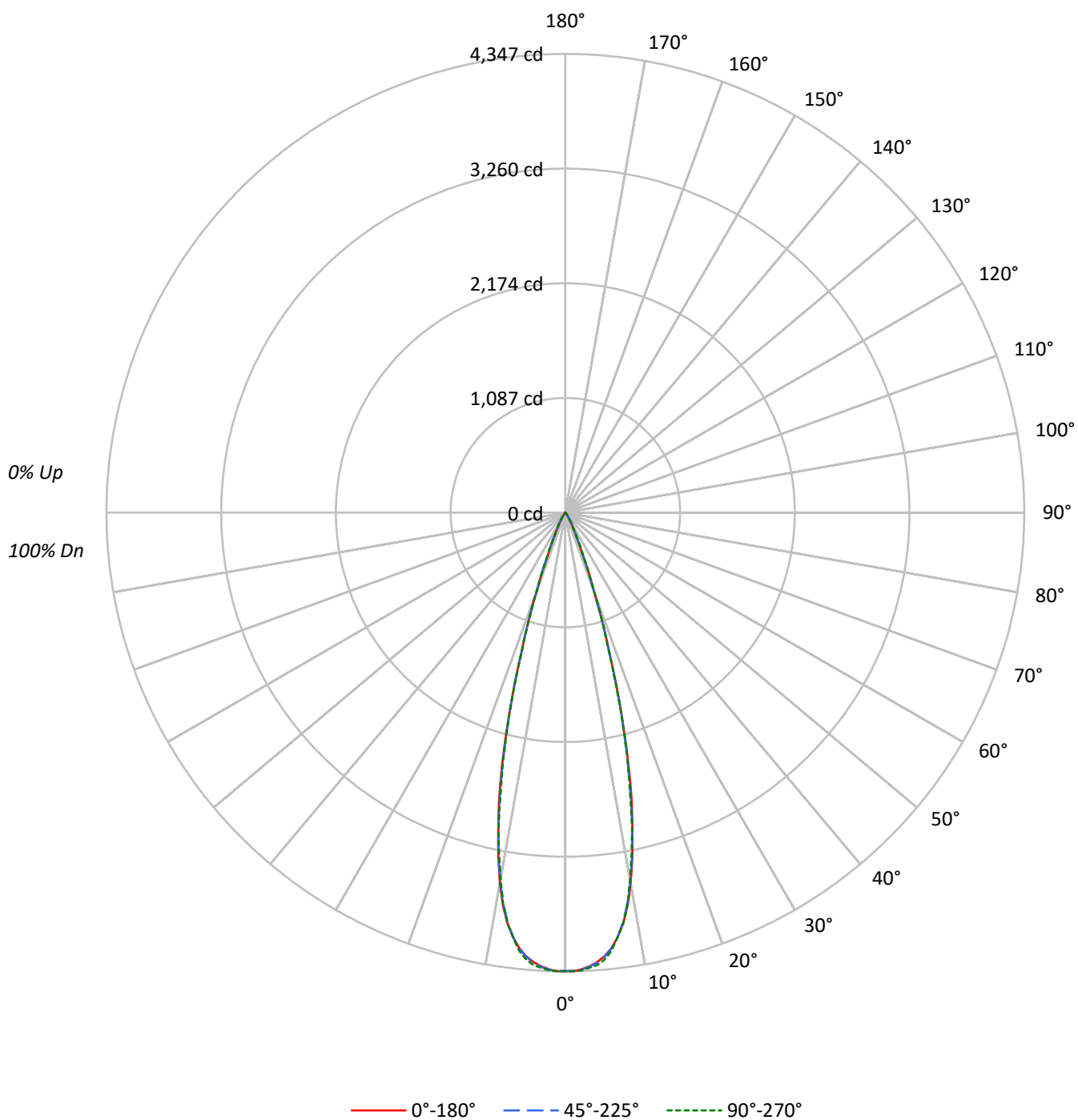
Lumens per Lamp: N/A
Luminaire Lumens: 1121.0 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					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	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	748204	748204	748204
5°	729953	730870	734932
10°	623445	620542	616887
15°	384731	380220	381629
20°	145411	146199	146052
25°	44732	49046	46728
30°	18037	22889	18733
35°	5319	9713	5508
40°	2158	3912	2158
45°	414	1267	414
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: 1267 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.2	34.2
10°-20°	567.3	50.6
20°-30°	140.7	12.6
30°-40°	26.4	2.4
40°-50°	3.3	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°	1091.2	97.3
0°-40°	1117.6	99.7
0°-60°	1121.0	100.0
0°-90°	1121.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1121.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4344	4344	4344	4344	4344	
5°	4222	4221	4228	4234	4251	383
15°	2158	2137	2132	2149	2140	570
25°	235	251	258	257	246	136
35°	25	33	46	34	26	21
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4344.4	4344.4	4344.4	4344.4	4344.4
1°	4346.1	4342.7	4342.7	4337.4	4347.0
2°	4330.5	4327.0	4333.1	4328.7	4340.9
3°	4306.9	4302.6	4311.3	4313.9	4320.0
4°	4272.0	4268.6	4278.1	4283.4	4299.9
5°	4222.3	4220.6	4227.6	4234.5	4251.1
6°	4154.3	4151.7	4156.1	4164.8	4175.3
7°	4055.8	4050.6	4054.1	4055.8	4058.4
8°	3931.1	3923.3	3918.9	3928.5	3933.8
9°	3770.7	3762.0	3752.4	3748.9	3761.1
10°	3565.0	3551.9	3548.4	3539.7	3527.5
11°	3326.1	3315.6	3313.0	3297.3	3290.3
12°	3052.3	3047.1	3053.2	3043.6	3040.1
13°	2789.9	2756.8	2752.4	2734.1	2724.5
14°	2479.5	2449.0	2448.1	2438.5	2451.6
15°	2157.8	2136.9	2132.5	2149.1	2140.4
17.5°	1375.8	1389.7	1386.2	1377.5	1362.7
20°	793.4	783.8	797.7	801.2	796.9
22.5°	422.8	426.3	428.9	439.4	446.4
25°	235.4	251.1	258.1	257.2	245.9
27.5°	146.5	156.1	169.1	160.4	150.8
30°	90.7	98.5	115.1	99.4	94.2
32.5°	48.8	61.9	74.1	61.9	50.6
35°	25.3	33.1	46.2	34.0	26.2
37.5°	16.6	19.2	29.6	19.2	16.6
40°	9.6	12.2	17.4	12.2	9.6
42.5°	4.4	7.0	9.6	7.0	4.4
45°	1.7	2.6	5.2	3.5	1.7
47.5°	0.0	0.9	2.6	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)