

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: P1316393

Luminaire Tested: LDSQA3D09R209740DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316393
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209740DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

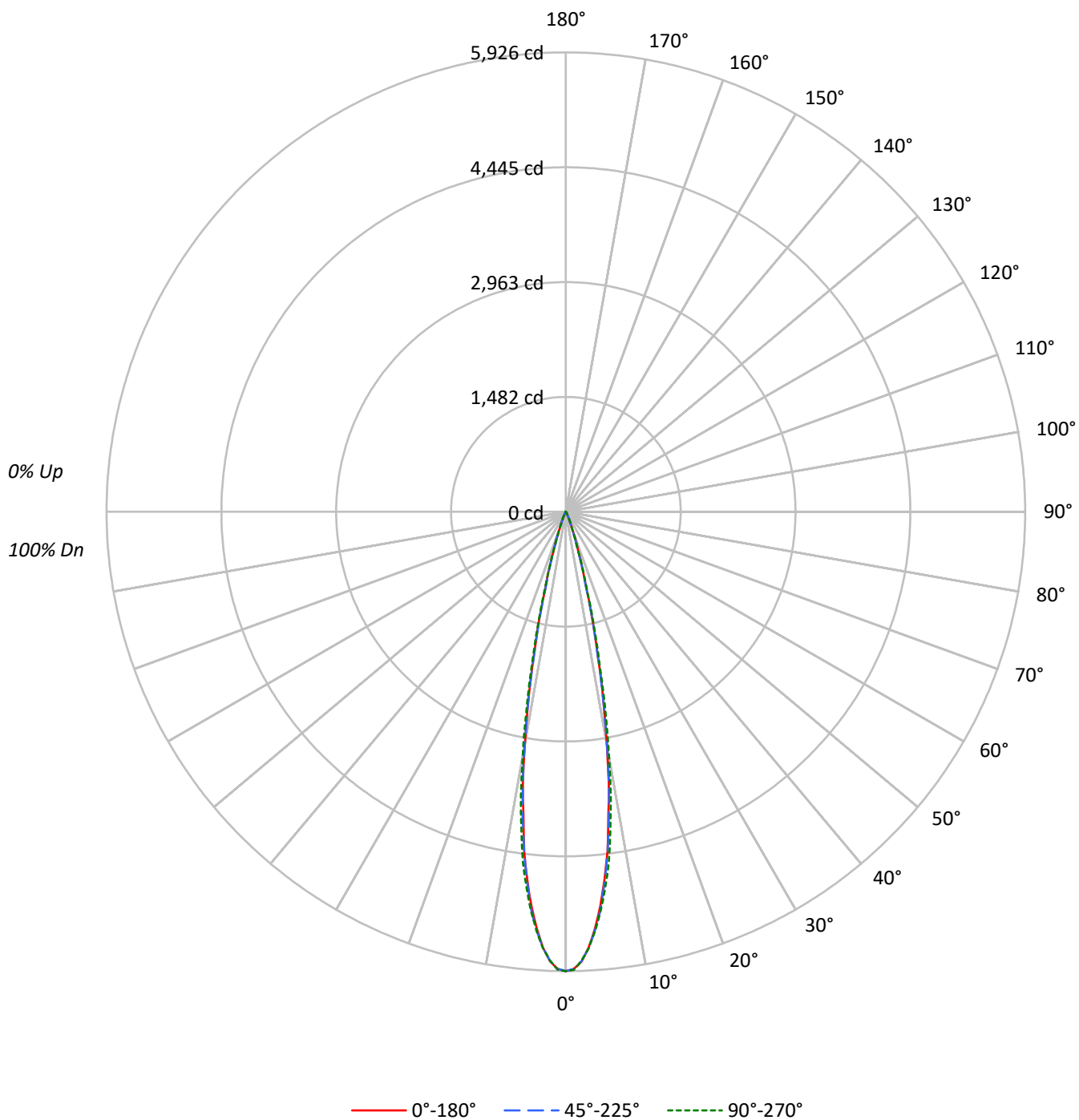
Lumens per Lamp: N/A
Luminaire Lumens: 796.0 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1020677	1020677	1020677
5°	881742	889954	893256
10°	530794	535761	562412
15°	183593	179296	193578
20°	48220	45361	45489
25°	10508	12675	14423
30°	4514	4514	4653
35°	2544	2229	2376
40°	1124	1281	1439
45°	341	511	511
50°	188	188	188
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: 22.5°

Vertical Angle: 45°

Luminance: 511 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.9	53.3
10°-20°	322.7	40.5
20°-30°	39.9	5.0
30°-40°	7.6	0.9
40°-50°	1.8	0.2
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°	786.5	98.8
0°-40°	794.1	99.8
0°-60°	796.0	100.0
0°-90°	796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	796.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5926	5926	5926	5926	5926	
5°	5100	5097	5148	5144	5167	421
15°	1030	993	1006	1066	1086	322
25°	55	63	67	70	76	38
35°	12	12	11	11	11	8
45°	1	2	2	2	2	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5926.5	5926.5	5926.5	5926.5	5926.5
1°	5898.8	5891.7	5897.4	5885.3	5910.1
2°	5804.5	5797.4	5797.4	5790.3	5793.8
3°	5628.6	5640.0	5632.9	5618.0	5637.1
4°	5388.9	5401.7	5413.0	5413.7	5416.6
5°	5100.3	5096.7	5147.8	5144.2	5166.9
6°	4771.2	4767.0	4789.0	4825.8	4871.2
7°	4409.6	4357.8	4416.7	4491.1	4552.1
8°	3941.5	3955.0	3995.4	4083.3	4132.3
9°	3544.4	3465.7	3551.5	3656.4	3709.6
10°	3035.2	2971.4	3063.6	3174.2	3216.0
12.5°	1910.5	1855.2	1884.9	2001.3	2019.7
15°	1029.7	992.8	1005.6	1065.9	1085.7
17.5°	525.5	492.2	485.1	523.4	527.6
20°	263.1	255.3	247.5	251.0	248.2
22.5°	122.0	132.6	131.2	124.1	132.6
25°	55.3	63.1	66.7	69.5	75.9
27.5°	34.0	32.6	37.6	40.4	41.1
30°	22.7	22.0	22.7	23.4	23.4
32.5°	16.3	15.6	14.9	14.9	15.6
35°	12.1	12.1	10.6	11.3	11.3
37.5°	8.5	8.5	7.8	8.5	8.5
40°	5.0	5.7	5.7	5.7	6.4
42.5°	2.8	3.5	3.5	3.5	3.5
45°	1.4	2.1	2.1	2.1	2.1
47.5°	0.7	0.7	0.7	1.4	1.4
50°	0.7	0.7	0.7	0.7	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)