

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: P1319930

Luminaire Tested: LDSQA3D09R209840DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319930
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: LDSQA3D09R209840DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

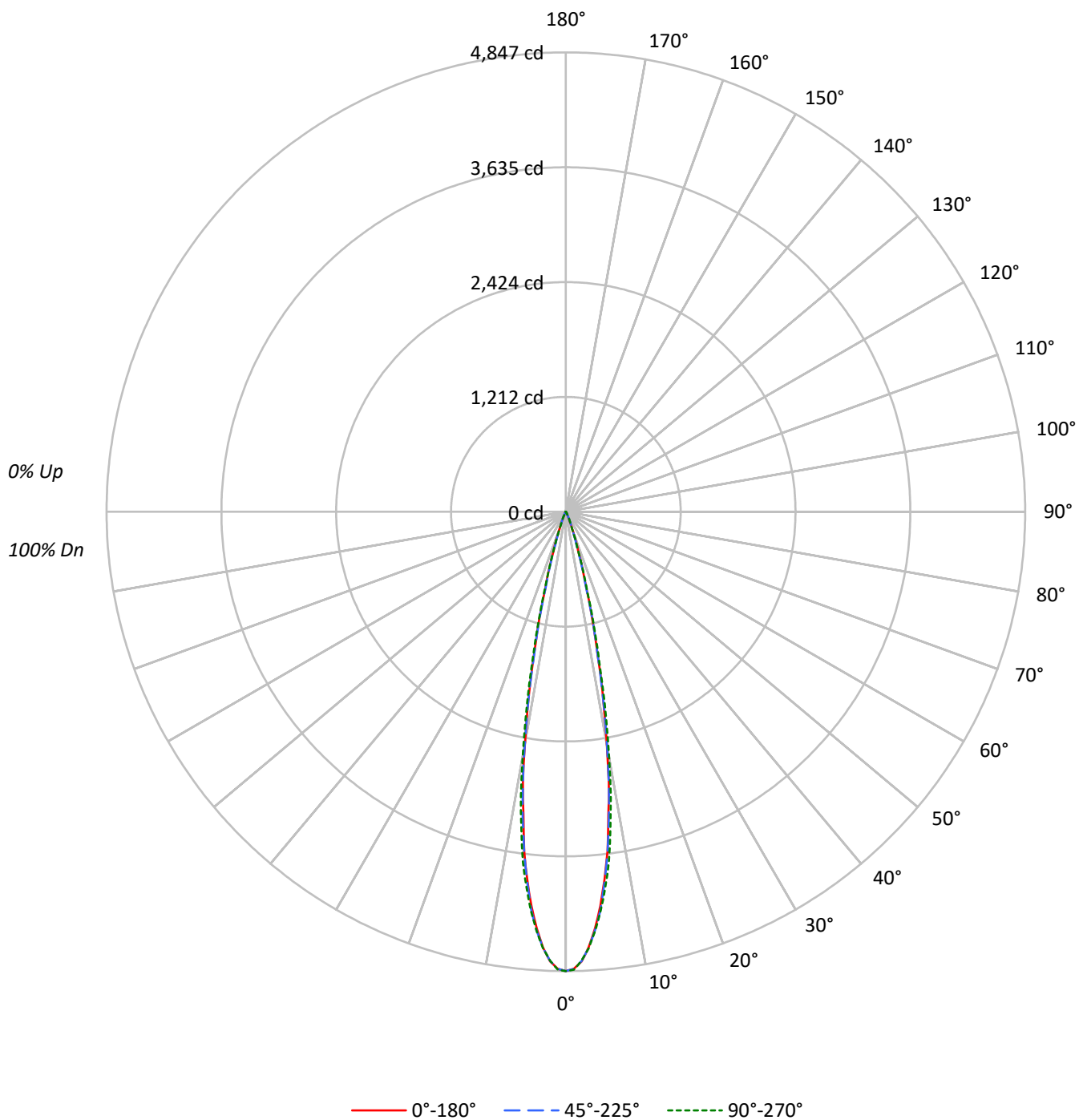
Lumens per Lamp: N/A
Luminaire Lumens: 651.0 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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

TEST NUMBER: P1319930

CATALOG NUMBER: LDSQA3D09R209840DE010 3LSQPHR1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1319930

CATALOG NUMBER: LDSQA3D09R209840DE010 3LSQPHR1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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°	834746	834746	834746
5°	721119	727844	730541
10°	434103	438160	459968
15°	150145	146632	158311
20°	39441	37095	37205
25°	8589	10356	11801
30°	3699	3699	3798
35°	2081	1829	1955
40°	922	1034	1169
45°	292	414	414
50°	161	161	161
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: 414 cd/sqm

TEST NUMBER: P1319930

CATALOG NUMBER: LDSQA3D09R209840DE010 3LSQPHR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.7	53.3
10°-20°	263.9	40.5
20°-30°	32.6	5.0
30°-40°	6.2	1.0
40°-50°	1.5	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°	643.2	98.8
0°-40°	649.4	99.8
0°-60°	651.0	100.0
0°-90°	651.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	651.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4847	4847	4847	4847	4847	
5°	4171	4168	4210	4207	4226	344
15°	842	812	822	872	888	264
25°	45	52	54	57	62	31
35°	10	10	9	9	9	6
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	

TEST NUMBER: P1319930

CATALOG NUMBER: LDSQA3D09R209840DE010 3LSQPHR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4846.9	4846.9	4846.9	4846.9	4846.9
1°	4824.3	4818.5	4823.1	4813.2	4833.5
2°	4747.1	4741.3	4741.3	4735.5	4738.4
3°	4603.3	4612.6	4606.8	4594.6	4610.3
4°	4407.3	4417.7	4427.0	4427.6	4429.9
5°	4171.2	4168.3	4210.1	4207.2	4225.7
6°	3902.1	3898.6	3916.6	3946.8	3983.9
7°	3606.3	3564.0	3612.1	3673.0	3722.9
8°	3223.5	3234.5	3267.6	3339.5	3379.5
9°	2898.7	2834.4	2904.5	2990.4	3033.9
10°	2482.3	2430.1	2505.5	2596.0	2630.2
12.5°	1562.5	1517.2	1541.6	1636.7	1651.8
15°	842.1	812.0	822.4	871.7	887.9
17.5°	429.8	402.5	396.7	428.0	431.5
20°	215.2	208.8	202.4	205.3	203.0
22.5°	99.8	108.5	107.3	101.5	108.5
25°	45.2	51.6	54.5	56.8	62.1
27.5°	27.8	26.7	30.7	33.1	33.6
30°	18.6	18.0	18.6	19.1	19.1
32.5°	13.3	12.8	12.2	12.2	12.8
35°	9.9	9.9	8.7	9.3	9.3
37.5°	7.0	7.0	6.4	7.0	7.0
40°	4.1	4.6	4.6	4.6	5.2
42.5°	2.3	2.9	2.9	2.9	2.9
45°	1.2	1.7	1.7	1.7	1.7
47.5°	0.6	0.6	0.6	1.2	1.2
50°	0.6	0.6	0.6	0.6	0.6
52.5°	0.6	0.0	0.0	0.0	0.6
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)