

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: P1318183

Luminaire Tested: LDSQA3D09R209830DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318183
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209830DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

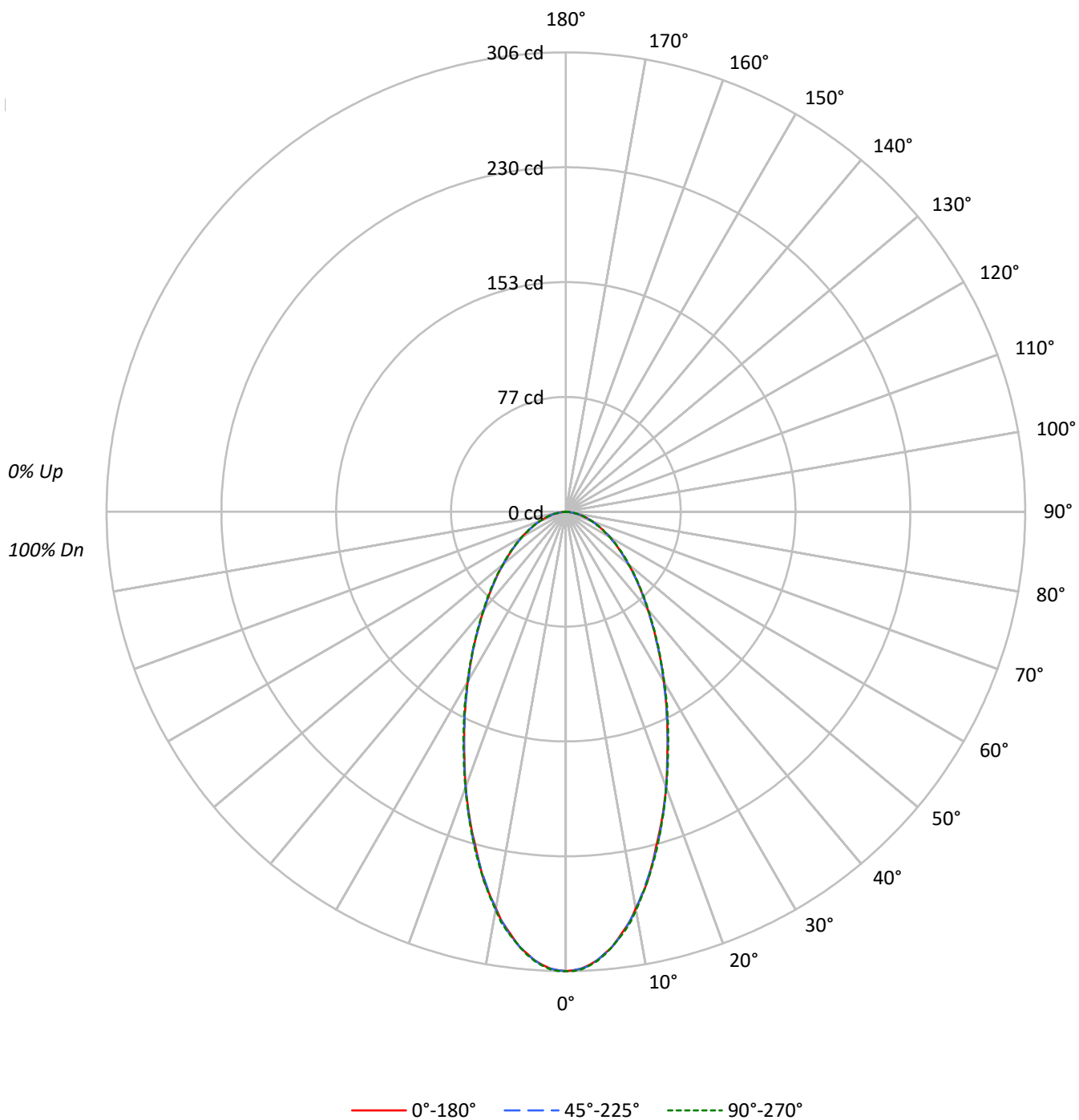
Lumens per Lamp: N/A
Luminaire Lumens: 366.0 lumens
Efficiency: N/A
Efficacy: 33.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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					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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77	77	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	68	68	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61	61	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	55	55	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50	50	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	45	45	45
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42	42	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39	39	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36	36	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	52700	52700	52700
5°	51103	51103	51207
10°	46920	47008	47113
15°	41312	41508	41597
20°	35757	35757	35849
25°	30423	30423	30632
30°	25972	25853	26071
35°	22181	22181	22286
40°	19042	19042	19155
45°	16635	16635	16757
50°	14629	14629	14629
55°	12971	12971	13121
60°	11677	11677	11677
65°	10473	10473	10473
70°	9366	9366	9366
75°	8384	7985	8384
80°	7042	7042	7042
85°	4347	4347	5335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 16757 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.4	7.5
10°-20°	64.8	17.7
20°-30°	73.8	20.2
30°-40°	66.2	18.1
40°-50°	53.1	14.5
50°-60°	39.0	10.7
60°-70°	25.5	7.0
70°-80°	13.2	3.6
80°-90°	3.1	0.8
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°	165.9	45.3
0°-40°	232.2	63.4
0°-60°	324.2	88.6
0°-90°	366.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	366.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	306	306	306	306	306	
5°	296	296	296	296	296	27
15°	232	232	233	233	233	65
25°	160	160	160	161	161	74
35°	106	106	106	106	106	66
45°	68	68	68	68	69	53
55°	43	43	43	43	44	39
65°	26	25	26	26	26	26
75°	13	12	12	13	13	13
85°	2	2	2	3	3	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	306.0	306.0	306.0	306.0	306.0
1°	305.4	304.9	305.4	305.4	306.0
2°	304.4	304.4	304.4	303.8	304.9
3°	302.2	302.2	302.7	302.2	302.7
4°	299.4	299.4	299.4	298.9	300.0
5°	295.6	295.6	295.6	295.6	296.2
6°	291.8	291.2	291.8	291.2	291.8
7°	286.3	286.3	286.9	286.3	286.9
8°	280.9	280.3	281.4	280.9	282.0
9°	275.4	274.8	275.4	274.8	276.5
10°	268.3	268.8	268.8	268.8	269.4
12.5°	251.9	250.8	250.8	250.8	251.9
15°	231.7	231.7	232.8	232.8	233.3
17.5°	213.6	213.1	214.2	214.2	214.2
20°	195.1	194.5	195.1	195.1	195.6
22.5°	176.5	177.0	177.0	177.0	177.6
25°	160.1	160.1	160.1	160.6	161.2
27.5°	144.8	144.3	144.8	145.3	145.9
30°	130.6	130.0	130.0	130.6	131.1
32.5°	117.5	116.9	117.5	117.5	118.0
35°	105.5	105.5	105.5	105.5	106.0
37.5°	94.5	94.5	94.5	95.1	95.1
40°	84.7	84.7	84.7	85.2	85.2
42.5°	76.0	76.0	76.0	76.5	77.0
45°	68.3	68.3	68.3	68.3	68.8
47.5°	61.2	61.2	61.2	61.7	61.7
50°	54.6	54.1	54.6	55.2	54.6
52.5°	48.6	48.6	48.6	48.6	49.2
55°	43.2	43.2	43.2	43.2	43.7
57.5°	38.2	38.2	38.2	38.8	38.8
60°	33.9	33.9	33.9	33.9	33.9
62.5°	29.5	29.5	29.5	29.5	29.5
65°	25.7	25.1	25.7	25.7	25.7
67.5°	21.9	21.9	21.9	21.9	21.9
70°	18.6	18.6	18.6	18.6	18.6
72.5°	15.3	15.3	15.3	15.3	15.3
75°	12.6	12.0	12.0	12.6	12.6
77.5°	9.8	9.3	9.8	9.8	9.8
80°	7.1	7.1	7.1	7.1	7.1
82.5°	4.4	4.4	4.4	4.9	4.9
85°	2.2	2.2	2.2	2.7	2.7
87.5°	0.5	0.5	0.5	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)