

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: P1317341

Luminaire Tested: LDSQA3D09R309827DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309827DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

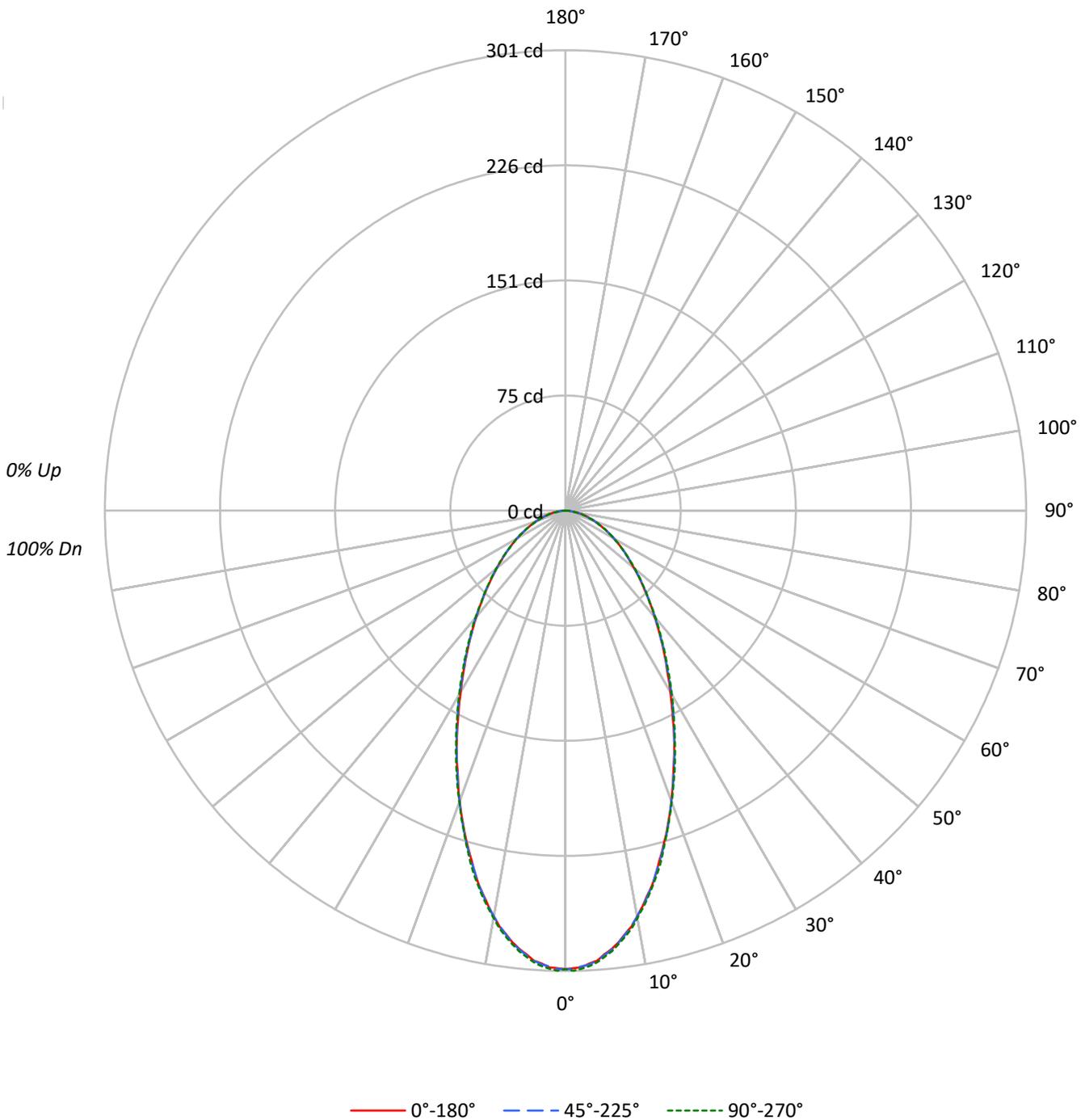
Lumens per Lamp: N/A
Luminaire Lumens: 385.0 lumens
Efficiency: N/A
Efficacy: 35.0 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1317341

CATALOG NUMBER: LDSQA3D09R309827DE010 3LSQPHRLD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1317341

CATALOG NUMBER: LDSQA3D09R309827DE010 3LSQPHRLD1MW

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	51632	51632	51632
5°	50360	50447	50637
10°	47130	47130	47305
15°	42257	42346	42631
20°	37095	37095	37187
25°	31981	31981	32191
30°	27225	27543	27642
35°	23505	23632	23737
40°	20346	20481	20594
45°	17780	17902	17902
50°	15701	15701	15835
55°	14082	14082	14082
60°	12641	12641	12641
65°	11288	11288	11288
70°	10172	10172	10172
75°	9183	8850	8850
80°	7934	7438	7438
85°	5335	5335	5335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 17902 cd/sqm



TEST NUMBER: P1317341

CATALOG NUMBER: LDSQA3D09R309827DE010 3LSQPHRLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.1	7.1
10°-20°	66.2	17.2
20°-30°	77.3	20.1
30°-40°	70.4	18.3
40°-50°	56.8	14.8
50°-60°	42.0	10.9
60°-70°	27.6	7.2
70°-80°	14.3	3.7
80°-90°	3.3	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°	170.7	44.3
0°-40°	241.0	62.6
0°-60°	339.8	88.3
0°-90°	385.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	385.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	300	300	300	300	300	
5°	291	291	292	292	293	27
15°	237	238	238	238	239	66
25°	168	168	168	168	169	77
35°	112	111	112	112	113	70
45°	73	74	74	74	74	57
55°	47	46	47	46	47	42
65°	28	28	28	28	28	28
75°	14	13	13	13	13	15
85°	3	3	3	3	3	3
90°	0	0	0	0	0	



TEST NUMBER: P1317341

CATALOG NUMBER: LDSQA3D09R309827DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	299.8	299.8	299.8	299.8	299.8
1°	299.3	299.3	299.8	299.3	300.9
2°	298.8	298.2	298.2	298.2	299.8
3°	296.6	296.6	297.2	296.6	298.2
4°	295.0	294.5	295.0	294.5	296.1
5°	291.3	291.3	291.8	291.8	292.9
6°	288.1	288.1	288.6	288.1	289.7
7°	284.4	284.4	284.4	284.4	285.5
8°	279.6	279.6	280.1	280.1	281.2
9°	275.3	274.8	274.8	274.8	276.4
10°	269.5	269.5	269.5	269.5	270.5
11°	263.6	263.6	263.6	263.6	264.7
12°	257.2	257.2	257.8	257.2	258.8
13°	251.4	251.4	251.4	251.4	252.4
14°	244.4	243.9	244.4	244.4	246.0
15°	237.0	237.5	237.5	237.5	239.1
17.5°	219.9	219.9	220.5	219.4	220.5
20°	202.4	201.8	202.4	202.4	202.9
22.5°	184.3	184.8	184.8	184.8	185.9
25°	168.3	167.8	168.3	168.3	169.4
27.5°	151.8	152.3	152.8	152.3	153.4
30°	136.9	137.9	138.5	137.4	139.0
32.5°	123.6	123.6	124.1	124.6	125.2
35°	111.8	111.3	112.4	112.4	112.9
37.5°	100.7	100.7	100.7	101.2	101.7
40°	90.5	90.5	91.1	91.1	91.6
42.5°	81.5	80.9	81.5	81.5	81.5
45°	73.0	73.5	73.5	73.5	73.5
47.5°	65.5	65.5	66.0	65.5	66.0
50°	58.6	58.6	58.6	58.6	59.1
52.5°	52.2	52.2	52.2	52.2	52.7
55°	46.9	46.3	46.9	46.3	46.9
57.5°	41.5	41.5	41.5	41.5	41.5
60°	36.7	36.2	36.7	36.2	36.7
62.5°	32.0	32.0	32.0	32.0	32.0
65°	27.7	27.7	27.7	27.7	27.7
67.5°	24.0	24.0	24.0	23.4	23.4
70°	20.2	20.2	20.2	20.2	20.2
72.5°	17.0	16.5	16.5	16.5	16.5
75°	13.8	13.3	13.3	13.3	13.3
77.5°	10.7	10.7	10.1	10.1	10.7
80°	8.0	7.5	7.5	7.5	7.5
82.5°	4.8	4.8	4.8	4.8	4.8
85°	2.7	2.7	2.7	2.7	2.7
87.5°	0.5	0.5	0.5	1.1	1.1



TEST NUMBER: P1317341

CATALOG NUMBER: LDSQA3D09R309827DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)