

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: P1317359

Luminaire Tested: LDSQA3D09R359827DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359827DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

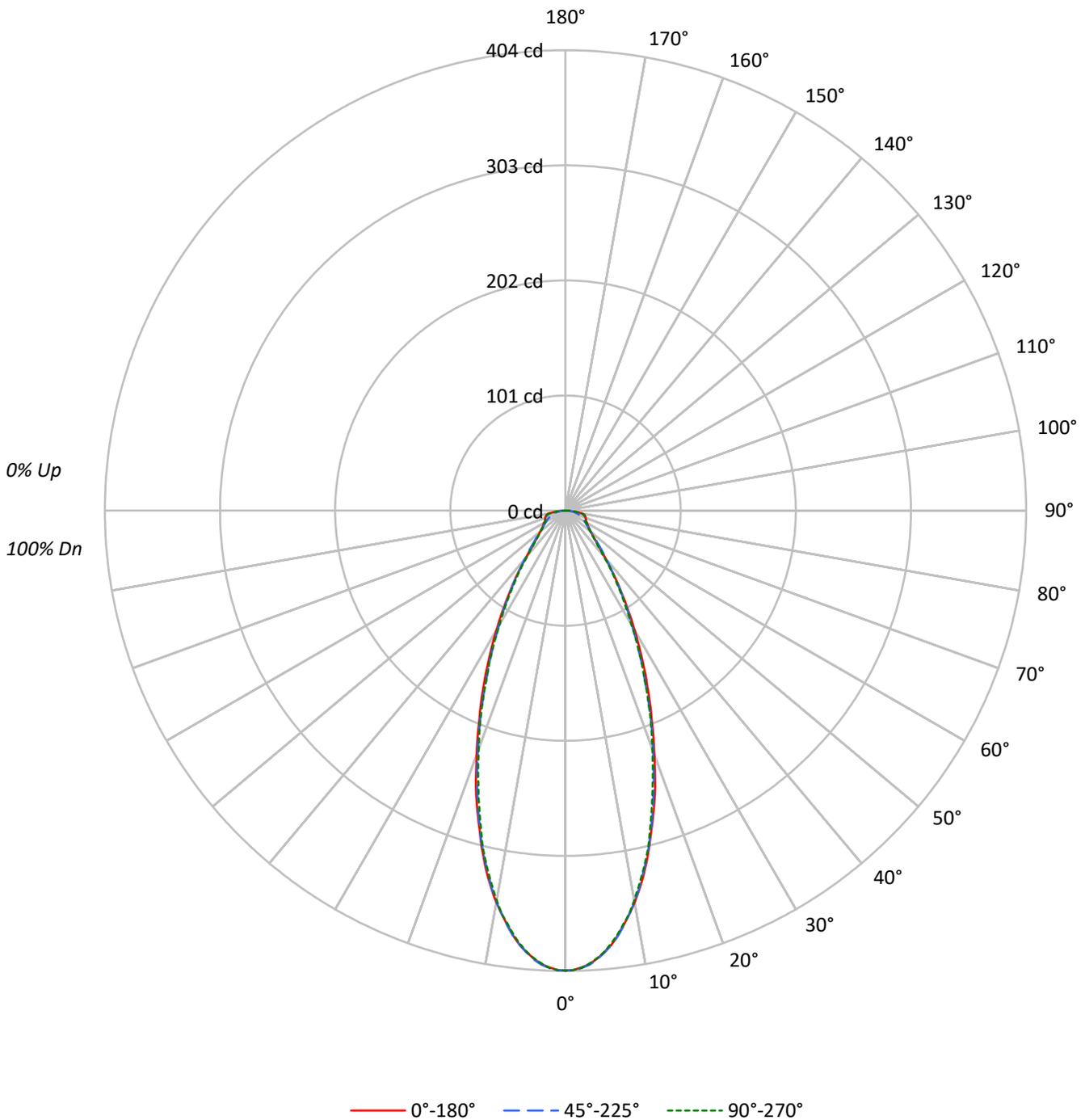
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 334.0 lumens
Efficiency: N/A
Efficacy: 30.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
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 (A_{in}): 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: P1317359
CATALOG NUMBER: LDSQA3D09R359827DE010 3LSQPHRLP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1317359

CATALOG NUMBER: LDSQA3D09R359827DE010 3LSQPHRLP1MW

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	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	69526	69526	69526
5°	67233	67337	67233
10°	61085	60998	60736
15°	51849	51671	51225
20°	41750	41182	40815
25°	32267	31297	31297
30°	24063	23247	23049
35°	17324	17093	16672
40°	12118	12455	11668
45°	9036	9523	8793
50°	7770	7770	7636
55°	7326	7026	7176
60°	7543	6820	7164
65°	8069	6846	7865
70°	9467	7150	9215
75°	11844	7453	11512
80°	15174	8034	13588
85°	12054	8102	12054

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 15174 cd/sqm



TEST NUMBER: P1317359

CATALOG NUMBER: LDSQA3D09R359827DE010 3LSQPHRLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.9	10.7
10°-20°	80.0	24.0
20°-30°	76.4	22.9
30°-40°	51.3	15.4
40°-50°	30.1	9.0
50°-60°	21.6	6.5
60°-70°	17.9	5.4
70°-80°	14.7	4.4
80°-90°	6.1	1.8
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°	192.3	57.6
0°-40°	243.6	72.9
0°-60°	295.3	88.4
0°-90°	334.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	334.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	404	404	404	404	404	
5°	389	390	390	389	389	36
15°	291	291	290	288	287	81
25°	170	168	165	165	165	78
35°	82	82	81	80	79	52
45°	37	38	39	37	36	30
55°	24	24	23	23	24	22
65°	20	18	17	18	19	20
75°	18	14	11	14	17	18
85°	6	7	4	7	6	7
90°	0	0	0	0	0	



TEST NUMBER: P1317359

CATALOG NUMBER: LDSQA3D09R359827DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	403.7	403.7	403.7	403.7	403.7
1°	403.2	403.7	403.7	403.2	403.2
2°	401.1	402.2	401.7	401.1	401.7
3°	398.6	399.6	399.1	398.6	398.1
4°	394.5	395.6	395.0	394.0	394.0
5°	388.9	390.0	389.5	388.9	388.9
6°	383.4	384.4	383.4	382.3	382.3
7°	375.7	377.3	376.2	375.2	374.7
8°	367.1	368.6	367.6	367.1	366.1
9°	358.4	359.5	357.9	357.9	357.9
10°	349.3	349.8	348.8	347.3	347.3
11°	339.1	338.6	338.1	337.1	336.1
12°	327.9	327.9	326.4	325.4	324.9
13°	316.2	315.7	314.7	313.7	313.7
14°	304.0	304.0	303.0	301.0	301.5
15°	290.8	291.3	289.8	287.8	287.3
17.5°	260.8	259.8	257.3	255.7	254.2
20°	227.8	227.3	224.7	223.2	222.7
22.5°	197.3	196.8	194.2	192.7	193.7
25°	169.8	167.8	164.7	164.7	164.7
27.5°	144.4	141.9	139.8	138.8	139.8
30°	121.0	119.0	116.9	116.4	115.9
32.5°	100.2	99.1	98.1	96.6	96.6
35°	82.4	82.4	81.3	79.8	79.3
37.5°	67.1	67.6	67.1	65.6	65.1
40°	53.9	54.9	55.4	53.9	51.9
42.5°	44.2	45.8	46.8	44.2	42.7
45°	37.1	38.1	39.1	37.1	36.1
47.5°	32.5	33.0	33.6	32.0	31.5
50°	29.0	29.0	29.0	28.5	28.5
52.5°	26.4	26.4	25.9	25.4	25.4
55°	24.4	23.9	23.4	23.4	23.9
57.5°	22.9	22.4	21.4	21.9	22.4
60°	21.9	20.8	19.8	20.3	20.8
62.5°	20.3	19.3	18.3	18.8	19.8
65°	19.8	17.8	16.8	17.8	19.3
67.5°	19.3	16.8	15.3	16.8	18.8
70°	18.8	15.8	14.2	15.8	18.3
72.5°	18.3	14.7	12.7	14.7	17.8
75°	17.8	13.7	11.2	13.7	17.3
77.5°	16.8	12.7	9.7	12.7	15.8
80°	15.3	11.7	8.1	11.2	13.7
82.5°	11.2	9.7	6.6	9.7	10.2
85°	6.1	6.6	4.1	6.6	6.1
87.5°	0.5	1.0	1.0	3.1	2.0



TEST NUMBER: P1317359
CATALOG NUMBER: LDSQA3D09R359827DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)