

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: P1311288

Luminaire Tested: LDSQA3D09R209040DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311288
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209040DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

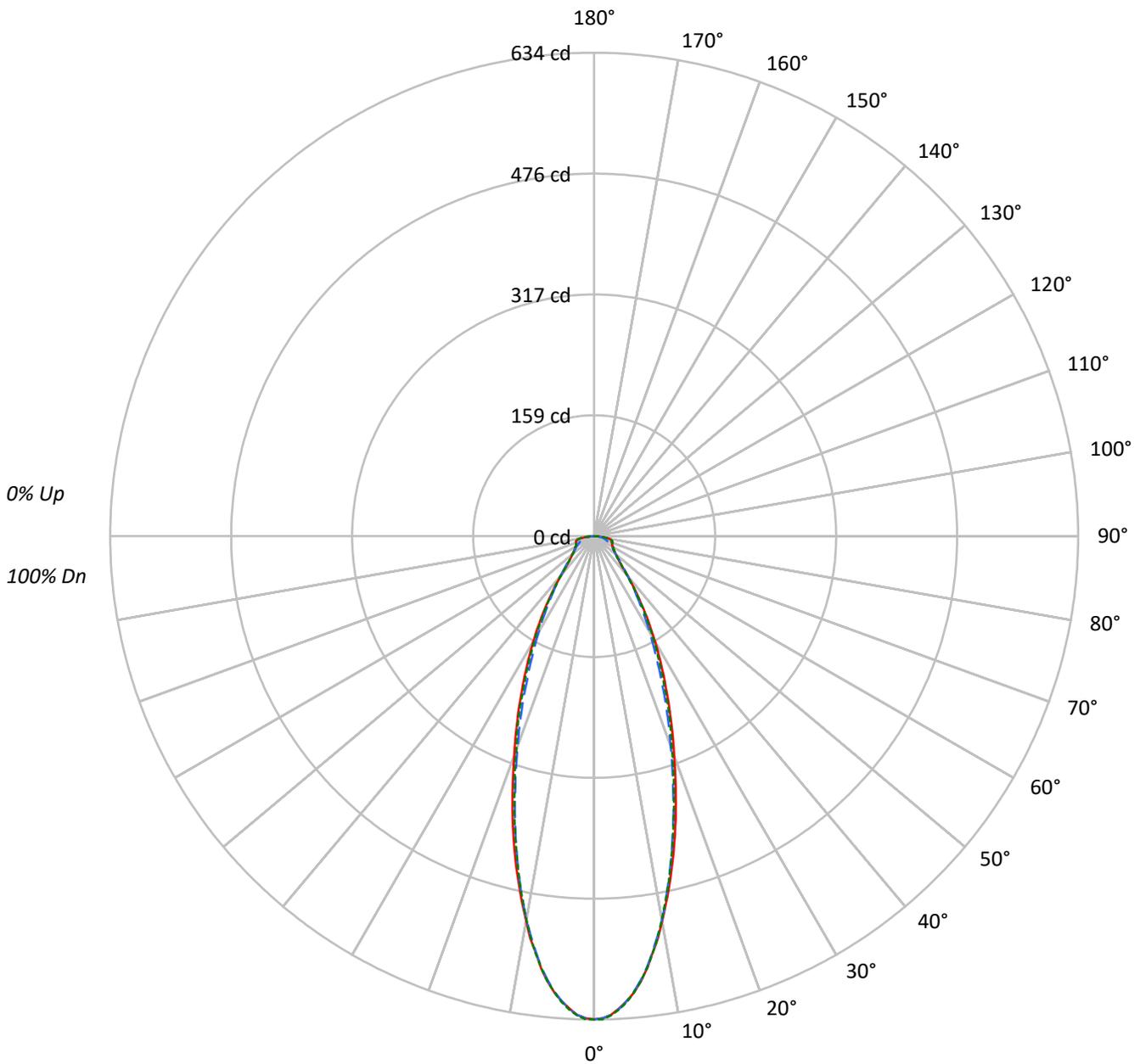
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 447.0 lumens
Efficiency: N/A
Efficacy: 40.3 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
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 (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: P1311288
CATALOG NUMBER: LDSQA3D09R209040DE010 3LSQPHRLP1MW

Luminous Intensity Polar Plot



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1311288

CATALOG NUMBER: LDSQA3D09R209040DE010 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	109155	109155	109155
5°	103867	103590	103867
10°	89661	89398	89258
15°	72763	71087	71373
20°	56064	53608	54616
25°	42585	39450	41388
30°	31600	28776	30645
35°	22328	20835	21992
40°	15378	15378	15018
45°	11301	11886	11301
50°	9913	9913	9913
55°	9458	9218	9458
60°	9748	8956	9748
65°	10595	8965	10595
70°	12689	9114	12689
75°	16236	9915	16236
80°	20233	10116	19538
85°	15611	9287	17191

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 20233 cd/sqm



TEST NUMBER: P1311288

CATALOG NUMBER: LDSQA3D09R209040DE010 3LSQPHRLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.4	12.2
10°-20°	111.0	24.8
20°-30°	99.1	22.2
30°-40°	65.0	14.6
40°-50°	37.8	8.5
50°-60°	28.1	6.3
60°-70°	23.7	5.3
70°-80°	19.6	4.4
80°-90°	8.2	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°	264.6	59.2
0°-40°	329.6	73.7
0°-60°	395.5	88.5
0°-90°	447.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	447.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	634	634	634	634	634	
5°	601	600	599	600	601	54
15°	408	404	399	400	400	113
25°	224	218	208	213	218	103
35°	106	103	99	102	105	67
45°	46	47	49	47	46	37
55°	32	31	31	31	32	29
65°	26	24	22	24	26	26
75°	24	18	15	18	24	25
85°	8	9	5	9	9	9
90°	0	0	0	0	0	



TEST NUMBER: P1311288
 CATALOG NUMBER: LDSQA3D09R209040DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	633.8	633.8	633.8	633.8	633.8
1°	632.3	633.1	632.3	633.1	633.8
2°	628.3	629.1	628.3	628.3	629.1
3°	620.5	621.3	621.3	621.3	622.0
4°	611.0	611.8	611.0	611.8	612.6
5°	600.8	600.0	599.2	600.0	600.8
6°	586.7	585.9	585.1	585.9	586.7
7°	570.9	570.1	569.4	569.4	570.1
8°	551.3	552.1	549.7	551.3	552.1
9°	534.0	532.4	530.8	530.8	532.4
10°	512.7	511.2	511.2	510.4	510.4
12.5°	460.8	457.7	455.3	455.3	456.1
15°	408.1	404.2	398.7	399.5	400.3
17.5°	355.5	350.7	343.7	345.2	346.8
20°	305.9	301.2	292.5	295.7	298.0
22.5°	263.4	256.4	248.5	250.9	258.7
25°	224.1	217.8	207.6	213.1	217.8
27.5°	189.5	182.4	173.8	179.3	184.0
30°	158.9	152.6	144.7	149.4	154.1
32.5°	131.3	125.8	120.3	123.5	127.4
35°	106.2	103.0	99.1	102.2	104.6
37.5°	85.7	84.1	82.6	84.1	83.4
40°	68.4	69.2	68.4	68.4	66.8
42.5°	54.3	56.6	57.4	55.8	54.3
45°	46.4	47.2	48.8	47.2	46.4
47.5°	40.9	40.9	41.7	40.9	40.1
50°	37.0	37.0	37.0	37.0	37.0
52.5°	33.8	33.8	33.0	33.8	33.8
55°	31.5	30.7	30.7	30.7	31.5
57.5°	29.9	29.1	28.3	29.1	29.9
60°	28.3	26.7	26.0	26.7	28.3
62.5°	26.7	25.2	24.4	25.2	26.7
65°	26.0	23.6	22.0	23.6	26.0
67.5°	25.2	22.0	20.4	22.0	26.0
70°	25.2	20.4	18.1	21.2	25.2
72.5°	24.4	19.7	16.5	19.7	24.4
75°	24.4	18.1	14.9	18.1	24.4
77.5°	22.8	16.5	12.6	16.5	22.8
80°	20.4	14.9	10.2	14.9	19.7
82.5°	14.9	12.6	7.9	12.6	14.9
85°	7.9	8.7	4.7	8.7	8.7
87.5°	0.8	3.1	1.6	4.7	3.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)