

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: P1309958

Luminaire Tested: LDSQA3D02R709035DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R709035DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

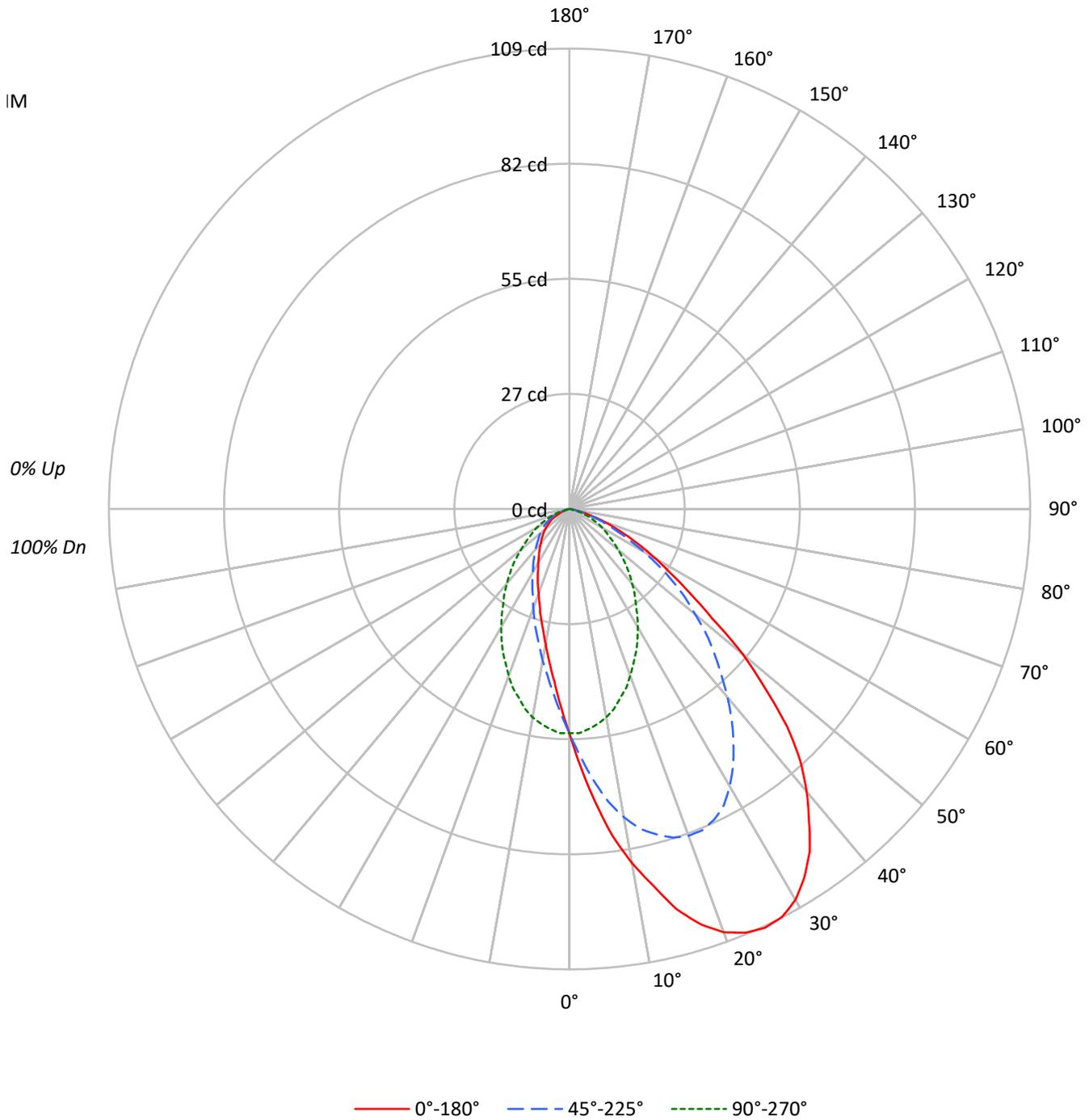
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 119.1 lumens
Efficiency: N/A
Efficacy: 33.1 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1309958
CATALOG NUMBER: LDSQA3D02R709035DE010 3LSQCLSWWR 1MB

Luminous Intensity Polar Plot





TEST NUMBER: P1309958
 CATALOG NUMBER: LDSQA3D02R709035DE010 3LSQCLSWWR 1MB

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
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	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77		
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67		
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59		
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52		
6	75	63	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46		
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42		
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	37		
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34		
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9145	9145	9145	9145	9145
5°	12032	11116	9042	7572	7088
10°	14882	12959	8761	6383	5684
15°	17491	14228	8255	5402	4689
20°	19537	15084	7698	4582	3904
25°	20789	15411	7088	3953	3382
30°	21259	15074	6423	3440	2943
35°	20835	14213	5740	3112	2628
40°	19627	13062	5171	2810	2361
45°	17731	11813	4628	2557	2192
50°	14361	10396	4019	2411	2009
55°	10449	8948	3453	2252	1802
60°	8094	7061	3100	2067	1653
65°	6113	5094	2567	1834	1223
70°	4280	3676	1913	1410	755
75°	2529	2196	998	665	200
80°	496	793	298	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17731 cd/sqm



TEST NUMBER: P1309958

CATALOG NUMBER: LDSQA3D02R709035DE010 3LSQCLSWWR 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.2	4.4
10°-20°	15.5	13.0
20°-30°	23.3	19.6
30°-40°	25.9	21.8
40°-50°	23.0	19.3
50°-60°	15.6	13.1
60°-70°	8.2	6.9
70°-80°	2.3	2.0
80°-90°	0.1	0.1
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°	44.0	36.9
0°-40°	69.9	58.7
0°-60°	108.4	91.1
0°-90°	119.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	119.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	53	53	53	53	53	
5°	70	64	52	44	41	7
15°	98	80	46	30	26	28
25°	109	81	37	21	18	50
35°	99	68	27	15	12	61
45°	73	48	19	10	9	55
55°	35	30	12	8	6	32
65°	15	12	6	4	3	15
75°	4	3	2	1	0	4
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1309958

CATALOG NUMBER: LDSQA3D02R709035DE010 3LSQCLSWWR 1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	61.1	60.8	60.6	60.6	60.3	60.1	59.6	59.6	59.1	58.6	58.1
5°	69.6	69.6	69.6	68.8	68.8	67.8	67.3	66.3	65.3	64.3	63.1
7.5°	78.1	78.1	77.3	77.1	76.3	75.3	74.6	73.1	71.3	69.8	67.8
10°	85.1	85.1	84.3	83.8	82.3	81.3	79.8	78.1	76.3	74.1	71.6
12.5°	91.3	91.6	90.6	89.6	88.1	86.6	84.6	82.3	80.1	77.6	74.3
15°	98.1	97.8	96.6	95.3	93.6	91.3	88.8	85.8	82.8	79.8	76.3
17.5°	103.1	102.9	101.6	100.1	97.8	95.1	92.3	88.8	85.3	81.6	77.3
20°	106.6	106.4	105.1	103.1	100.9	97.8	94.6	90.6	86.8	82.3	77.6
22.5°	108.6	108.4	106.9	105.1	102.4	99.1	95.6	91.3	87.1	82.3	77.1
25°	109.4	108.9	107.4	105.4	102.6	99.1	95.1	90.6	86.1	81.1	75.6
27.5°	108.9	108.4	106.6	104.4	101.4	97.3	93.3	88.8	84.1	79.1	73.3
30°	106.9	106.1	104.6	102.4	99.1	95.1	90.8	86.1	81.1	75.8	70.1
32.5°	103.4	102.9	101.4	98.9	95.6	91.6	87.3	82.3	77.3	72.1	66.3
35°	99.1	98.1	96.6	94.3	91.1	87.1	82.8	77.6	72.8	67.6	62.1
37.5°	93.1	92.8	91.1	89.3	86.1	81.8	77.8	72.8	68.1	63.1	57.6
40°	87.3	86.8	85.3	83.3	80.1	76.3	72.1	67.6	62.8	58.1	53.1
42.5°	80.8	80.1	79.1	77.1	74.1	70.3	66.3	61.8	57.6	53.1	48.5
45°	72.8	72.6	71.3	70.3	67.6	64.3	60.3	56.3	52.1	48.5	45.0
47.5°	62.6	62.3	62.1	61.3	59.8	57.6	54.6	50.8	47.5	44.0	39.3
50°	53.6	53.3	52.8	52.6	51.3	50.1	47.8	45.5	42.8	38.8	35.0
52.5°	42.5	42.8	43.5	43.8	43.5	42.5	41.5	40.8	37.0	34.5	31.0
55°	34.8	34.8	34.5	34.8	35.0	35.5	35.5	34.5	32.0	29.8	26.8
57.5°	28.5	28.5	28.5	28.5	28.5	28.8	28.8	28.5	27.3	25.0	22.3
60°	23.5	23.3	23.3	23.5	23.3	23.3	23.5	23.5	22.3	20.5	18.0
62.5°	19.0	19.0	19.0	18.8	18.8	19.0	19.0	18.8	17.8	16.0	14.3
65°	15.0	15.0	15.0	15.0	15.0	15.3	15.0	14.8	13.8	12.5	11.3
67.5°	11.5	11.5	11.8	11.5	11.8	11.8	11.8	11.3	10.5	9.5	8.8
70°	8.5	8.5	8.5	8.8	9.0	9.0	8.8	8.3	7.8	7.3	6.5
72.5°	5.8	6.0	6.0	6.0	6.3	6.3	6.0	5.8	5.5	5.0	4.8
75°	3.8	3.5	3.8	3.8	4.0	4.0	3.8	3.8	3.5	3.3	3.0
77.5°	1.8	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.8
80°	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1309958
 CATALOG NUMBER: LDSQA3D02R709035DE010 3LSQCLSWWR 1MB

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	57.6	56.8	55.8	53.1	50.6	48.3	47.0	46.8
5°	61.6	60.6	58.1	52.3	47.5	43.8	41.5	41.0
7.5°	65.8	63.8	60.3	51.3	44.5	39.8	37.3	36.5
10°	69.1	66.6	61.8	50.1	41.5	36.5	33.5	32.5
12.5°	71.3	68.3	63.1	48.5	39.0	33.0	30.0	29.0
15°	72.6	69.3	63.3	46.3	36.0	30.3	27.0	26.3
17.5°	73.1	69.3	62.8	44.5	33.3	27.5	24.5	23.5
20°	72.8	68.3	61.6	42.0	30.8	25.0	22.0	21.3
22.5°	71.8	66.8	59.6	39.5	28.3	22.5	20.0	19.5
25°	70.3	64.8	57.3	37.3	26.0	20.8	18.3	17.8
27.5°	67.8	62.3	54.3	34.8	24.0	19.0	16.8	16.0
30°	64.6	59.3	51.3	32.3	22.0	17.3	15.3	14.8
32.5°	61.1	55.8	48.3	29.8	20.3	16.0	14.0	13.5
35°	57.1	52.1	44.5	27.3	18.5	14.8	12.8	12.5
37.5°	53.1	48.0	41.3	25.3	17.0	13.5	11.8	11.5
40°	48.5	44.5	39.5	23.0	15.8	12.5	11.0	10.5
42.5°	45.8	40.3	34.0	21.0	14.5	11.5	10.0	9.8
45°	39.8	35.8	30.8	19.0	13.3	10.5	9.3	9.0
47.5°	35.8	32.3	27.5	17.0	12.3	9.8	8.5	8.3
50°	31.8	28.5	24.0	15.0	11.3	9.0	7.8	7.5
52.5°	27.8	24.5	20.5	13.3	10.0	8.3	7.0	6.8
55°	23.8	20.8	17.0	11.5	9.0	7.5	6.5	6.0
57.5°	19.5	17.0	14.5	10.3	8.0	6.8	5.8	5.3
60°	15.8	14.3	12.3	9.0	7.0	6.0	5.0	4.8
62.5°	12.8	11.5	10.3	7.8	6.3	5.3	4.5	3.8
65°	10.3	9.5	8.5	6.3	5.3	4.5	3.8	3.0
67.5°	8.0	7.5	6.8	5.3	4.3	3.8	2.8	2.3
70°	6.3	5.8	5.3	3.8	3.3	2.8	2.0	1.5
72.5°	4.5	4.0	3.8	2.8	2.3	2.0	1.3	0.8
75°	2.8	2.8	2.3	1.5	1.3	1.0	0.5	0.3
77.5°	1.5	1.5	1.3	0.8	0.8	0.3	0.0	0.0
80°	0.8	0.5	0.5	0.3	0.3	0.0	0.0	0.0
82.5°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)