

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: P1314244

Luminaire Tested: LDSQA3D02R709730DE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314244
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: LDSQA3D02R709730DE010 3LSQCLSWWR 1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCLSWWR 1MMS T
Light Source: -
Ballast/Driver: -

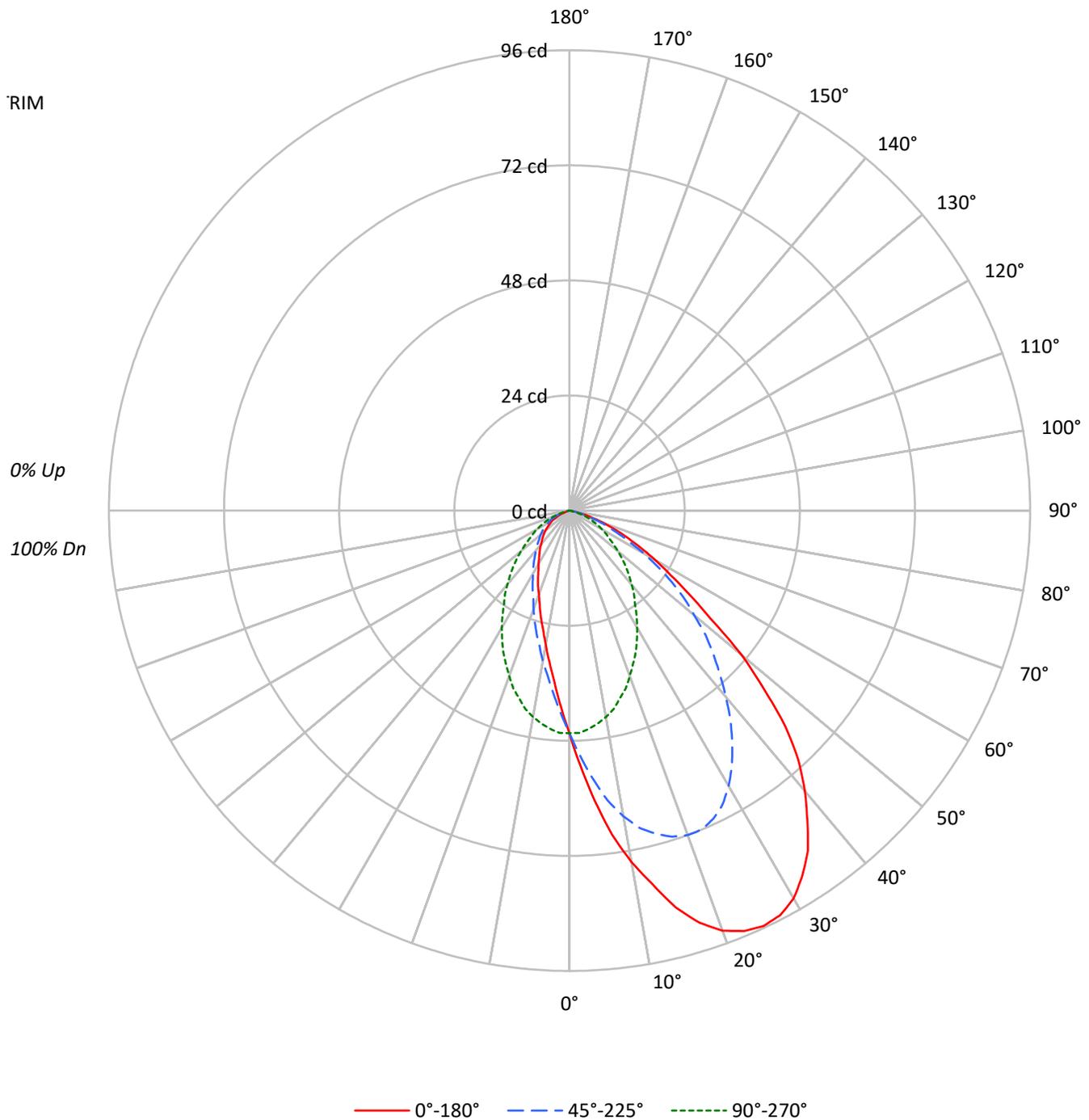
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 104.0 lumens
Efficiency: N/A
Efficacy: 28.9 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: P1314244
CATALOG NUMBER: LDSQA3D02R709730DE010 3LSQCLSWWR 1MMS

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			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	100	100	100	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89	89	89	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	77	77	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67	67	67	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59	59	59	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	52	52	52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46	46	46	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42	42	42	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38	38	38	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34	34	34	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7991	7991	7991	7991	7991
5°	10511	9716	7901	6621	6206
10°	13011	11315	7642	5579	4967
15°	15280	12445	7221	4725	4101
20°	17081	13196	6726	4014	3409
25°	18167	13473	6195	3458	2945
30°	18574	13185	5608	3003	2565
35°	18207	12425	5004	2712	2292
40°	17154	11398	4519	2451	2068
45°	15490	10327	4043	2241	1924
50°	12539	9083	3510	2117	1768
55°	9128	7807	3033	1982	1561
60°	7096	6166	2721	1791	1447
65°	5338	4442	2241	1589	1060
70°	3726	3172	1662	1209	655
75°	2196	1863	865	599	133
80°	397	694	198	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15490 cd/sqm



TEST NUMBER: P1314244

CATALOG NUMBER: LDSQA3D02R709730DE010 3LSQCLSWWR 1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	4.4
10°-20°	13.5	13.0
20°-30°	20.4	19.6
30°-40°	22.6	21.8
40°-50°	20.1	19.3
50°-60°	13.6	13.1
60°-70°	7.1	6.9
70°-80°	2.0	1.9
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°	38.4	36.9
0°-40°	61.1	58.7
0°-60°	94.8	91.1
0°-90°	104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	104.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	46	46	46	46	46	
5°	61	56	46	38	36	6
15°	86	70	40	26	23	24
25°	96	71	33	18	16	44
35°	87	59	24	13	11	54
45°	64	42	17	9	8	48
55°	30	26	10	7	5	28
65°	13	11	6	4	3	13
75°	3	3	1	1	0	4
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1314244

CATALOG NUMBER: LDSQA3D02R709730DE010 3LSQCLSWWR 1MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
2.5°	53.4	53.1	52.9	52.9	52.7	52.5	52.1	52.1	51.6	51.2	50.7
5°	60.8	60.8	60.8	60.1	60.1	59.3	58.8	58.0	57.1	56.2	55.1
7.5°	68.2	68.2	67.6	67.4	66.7	65.8	65.2	63.9	62.3	61.0	59.3
10°	74.4	74.4	73.7	73.3	72.0	71.1	69.8	68.2	66.7	64.7	62.6
12.5°	79.8	80.0	79.2	78.3	77.0	75.7	73.9	72.0	70.0	67.8	65.0
15°	85.7	85.5	84.4	83.3	81.8	79.8	77.6	75.0	72.4	69.8	66.7
17.5°	90.1	89.9	88.8	87.5	85.5	83.1	80.7	77.6	74.6	71.3	67.6
20°	93.2	93.0	91.9	90.1	88.1	85.5	82.7	79.2	75.9	72.0	67.8
22.5°	94.9	94.7	93.4	91.9	89.5	86.6	83.5	79.8	76.1	72.0	67.4
25°	95.6	95.1	93.8	92.1	89.7	86.6	83.1	79.2	75.2	70.9	66.1
27.5°	95.1	94.7	93.2	91.2	88.6	85.1	81.6	77.6	73.5	69.1	64.1
30°	93.4	92.7	91.4	89.5	86.6	83.1	79.4	75.2	70.9	66.3	61.2
32.5°	90.3	89.9	88.6	86.4	83.5	80.0	76.3	72.0	67.6	63.0	58.0
35°	86.6	85.7	84.4	82.5	79.6	76.1	72.4	67.8	63.6	59.1	54.2
37.5°	81.4	81.1	79.6	78.1	75.2	71.5	68.0	63.6	59.5	55.1	50.3
40°	76.3	75.9	74.6	72.8	70.0	66.7	63.0	59.1	54.9	50.7	46.4
42.5°	70.6	70.0	69.1	67.4	64.7	61.5	58.0	54.0	50.3	46.4	42.4
45°	63.6	63.4	62.3	61.5	59.1	56.2	52.7	49.2	45.5	42.4	39.4
47.5°	54.7	54.5	54.2	53.6	52.3	50.3	47.7	44.4	41.6	38.5	34.3
50°	46.8	46.6	46.1	45.9	44.8	43.7	41.8	39.8	37.4	33.9	30.6
52.5°	37.2	37.4	38.1	38.3	38.1	37.2	36.3	35.6	32.4	30.2	27.1
55°	30.4	30.4	30.2	30.4	30.6	31.1	31.1	30.2	28.0	26.0	23.4
57.5°	24.9	24.9	24.9	24.9	24.9	25.2	25.2	24.9	23.8	21.9	19.5
60°	20.6	20.3	20.3	20.6	20.3	20.3	20.6	20.6	19.5	17.9	15.7
62.5°	16.6	16.6	16.6	16.4	16.4	16.6	16.6	16.4	15.5	14.0	12.5
65°	13.1	13.1	13.1	13.1	13.1	13.3	13.1	12.9	12.0	10.9	9.8
67.5°	10.1	10.1	10.3	10.1	10.3	10.3	10.3	9.8	9.2	8.3	7.7
70°	7.4	7.4	7.4	7.7	7.9	7.9	7.7	7.2	6.8	6.3	5.7
72.5°	5.0	5.2	5.2	5.2	5.5	5.5	5.2	5.0	4.8	4.4	4.2
75°	3.3	3.1	3.3	3.3	3.5	3.5	3.3	3.3	3.1	2.8	2.6
77.5°	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.5	1.5
80°	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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: P1314244

CATALOG NUMBER: LDSQA3D02R709730DE010 3LSQCLSWWR 1MMS

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
2.5°	50.3	49.6	48.8	46.4	44.2	42.2	41.1	40.9
5°	53.8	52.9	50.7	45.7	41.6	38.3	36.3	35.9
7.5°	57.5	55.8	52.7	44.8	38.9	34.8	32.6	31.9
10°	60.4	58.2	54.0	43.7	36.3	31.9	29.3	28.4
12.5°	62.3	59.7	55.1	42.4	34.1	28.9	26.2	25.4
15°	63.4	60.6	55.3	40.5	31.5	26.5	23.6	23.0
17.5°	63.9	60.6	54.9	38.9	29.1	24.1	21.4	20.6
20°	63.6	59.7	53.8	36.7	26.9	21.9	19.2	18.6
22.5°	62.8	58.4	52.1	34.6	24.7	19.7	17.5	17.1
25°	61.5	56.6	50.1	32.6	22.7	18.2	16.0	15.5
27.5°	59.3	54.5	47.5	30.4	21.0	16.6	14.7	14.0
30°	56.4	51.8	44.8	28.2	19.2	15.1	13.3	12.9
32.5°	53.4	48.8	42.2	26.0	17.7	14.0	12.2	11.8
35°	49.9	45.5	38.9	23.8	16.2	12.9	11.2	10.9
37.5°	46.4	42.0	36.1	22.1	14.9	11.8	10.3	10.1
40°	42.4	38.9	34.6	20.1	13.8	10.9	9.6	9.2
42.5°	40.0	35.2	29.7	18.4	12.7	10.1	8.7	8.5
45°	34.8	31.3	26.9	16.6	11.6	9.2	8.1	7.9
47.5°	31.3	28.2	24.1	14.9	10.7	8.5	7.4	7.2
50°	27.8	24.9	21.0	13.1	9.8	7.9	6.8	6.6
52.5°	24.3	21.4	17.9	11.6	8.7	7.2	6.1	5.9
55°	20.8	18.2	14.9	10.1	7.9	6.6	5.7	5.2
57.5°	17.1	14.9	12.7	9.0	7.0	5.9	5.0	4.6
60°	13.8	12.5	10.7	7.9	6.1	5.2	4.4	4.2
62.5°	11.2	10.1	9.0	6.8	5.5	4.6	3.9	3.3
65°	9.0	8.3	7.4	5.5	4.6	3.9	3.3	2.6
67.5°	7.0	6.6	5.9	4.6	3.7	3.3	2.4	2.0
70°	5.5	5.0	4.6	3.3	2.8	2.4	1.7	1.3
72.5°	3.9	3.5	3.3	2.4	2.0	1.7	1.1	0.7
75°	2.4	2.4	2.0	1.3	1.1	0.9	0.4	0.2
77.5°	1.3	1.3	1.1	0.7	0.7	0.2	0.0	0.0
80°	0.7	0.4	0.4	0.2	0.2	0.0	0.0	0.0
82.5°	0.2	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)