

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: P1316187

Luminaire Tested: LDSQA3D02R709740DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316187
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: LDSQA3D02R709740DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

Summary

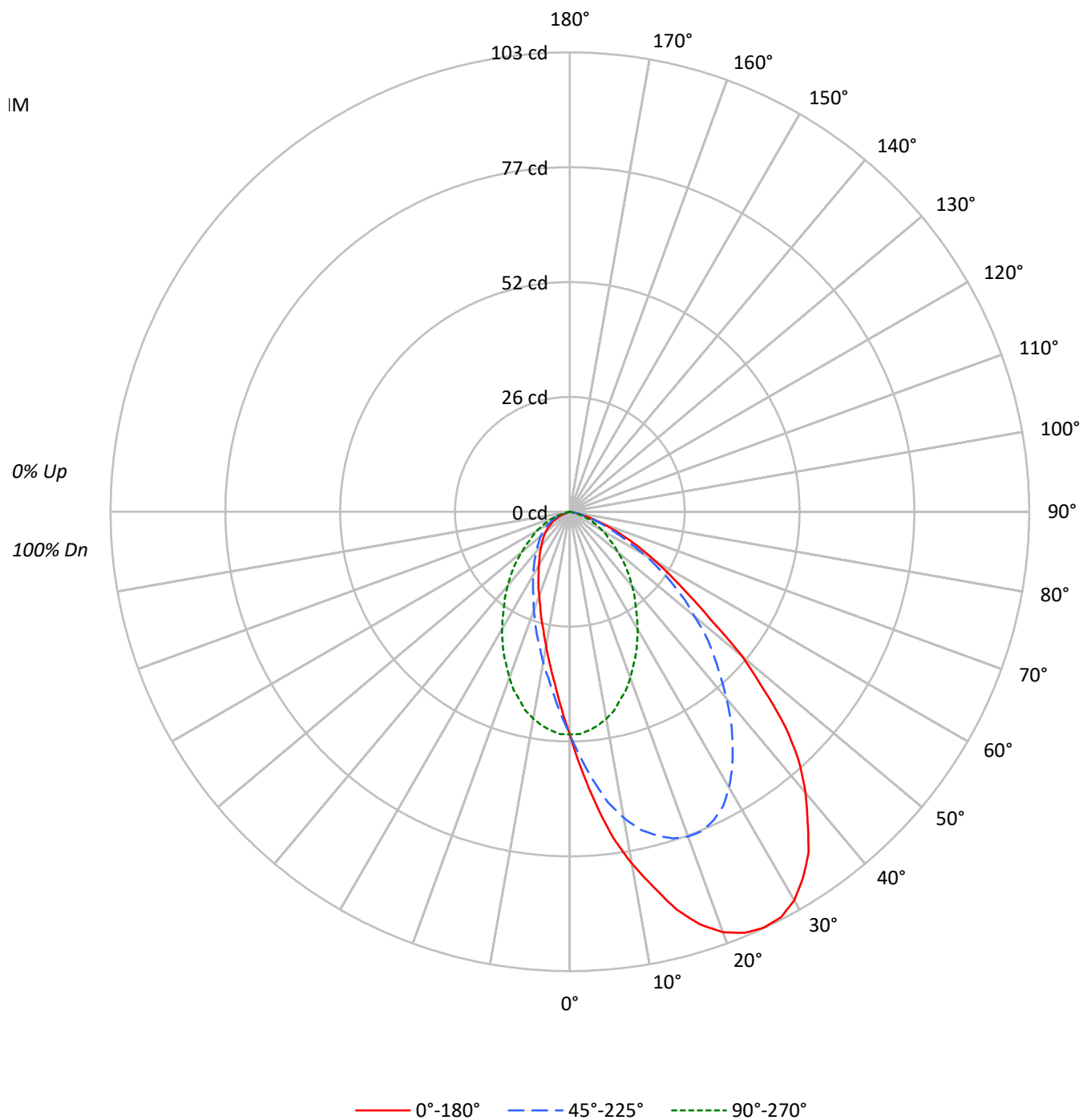
Lumens per Lamp: N/A
Luminaire Lumens: 112.0 lumens
Efficiency: N/A
Efficacy: 31.1 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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
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	86	100	94	89	85	91	86	83	88	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	64	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	38		
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°	8594	8594	8594	8594	8594
5°	11324	10459	8506	7123	6673
10°	14008	12189	8237	6016	5351
15°	16457	13390	7774	5081	4404
20°	18383	14204	7258	4325	3666
25°	19554	14499	6670	3706	3173
30°	20006	14199	6046	3242	2764
35°	19616	13372	5403	2922	2481
40°	18480	12275	4879	2653	2226
45°	16684	11131	4360	2411	2070
50°	13504	9779	3778	2277	1902
55°	9819	8407	3243	2132	1711
60°	7612	6648	2928	1963	1550
65°	5746	4809	2404	1712	1141
70°	4028	3424	1762	1309	705
75°	2329	2063	932	599	133
80°	496	694	198	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16684 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	4.4
10°-20°	14.6	13.0
20°-30°	21.9	19.6
30°-40°	24.4	21.8
40°-50°	21.6	19.3
50°-60°	14.7	13.1
60°-70°	7.7	6.9
70°-80°	2.2	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°	41.4	36.9
0°-40°	65.8	58.7
0°-60°	102.1	91.1
0°-90°	112.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	112.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	50	50	50	50	50	
5°	66	60	49	41	39	7
15°	92	75	44	28	25	26
25°	103	76	35	20	17	47
35°	93	64	26	14	12	58
45°	68	46	18	10	8	52
55°	33	28	11	7	6	30
65°	14	12	6	4	3	14
75°	4	3	1	1	0	4
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
2.5°	57.5	57.2	57.0	57.0	56.8	56.5	56.1	56.1	55.6	55.1	54.6
5°	65.5	65.5	65.5	64.8	64.8	63.8	63.4	62.4	61.5	60.5	59.4
7.5°	73.5	73.5	72.8	72.5	71.8	70.9	70.2	68.8	67.1	65.7	63.8
10°	80.1	80.1	79.4	78.9	77.5	76.5	75.1	73.5	71.8	69.7	67.4
12.5°	86.0	86.2	85.3	84.3	82.9	81.5	79.6	77.5	75.4	73.0	70.0
15°	92.3	92.1	90.9	89.7	88.1	86.0	83.6	80.8	78.0	75.1	71.8
17.5°	97.0	96.8	95.6	94.2	92.1	89.5	86.9	83.6	80.3	76.8	72.8
20°	100.3	100.1	98.9	97.0	94.9	92.1	89.0	85.3	81.7	77.5	73.0
22.5°	102.2	102.0	100.6	98.9	96.3	93.3	90.0	86.0	82.0	77.5	72.5
25°	102.9	102.5	101.0	99.2	96.6	93.3	89.5	85.3	81.0	76.3	71.1
27.5°	102.5	102.0	100.3	98.2	95.4	91.6	87.9	83.6	79.1	74.4	69.0
30°	100.6	99.9	98.5	96.3	93.3	89.5	85.5	81.0	76.3	71.4	65.9
32.5°	97.3	96.8	95.4	93.0	90.0	86.2	82.2	77.5	72.8	67.8	62.4
35°	93.3	92.3	90.9	88.8	85.7	82.0	78.0	73.0	68.5	63.6	58.4
37.5°	87.6	87.4	85.7	84.1	81.0	77.0	73.3	68.5	64.1	59.4	54.2
40°	82.2	81.7	80.3	78.4	75.4	71.8	67.8	63.6	59.1	54.6	49.9
42.5°	76.1	75.4	74.4	72.5	69.7	66.2	62.4	58.2	54.2	49.9	45.7
45°	68.5	68.3	67.1	66.2	63.6	60.5	56.8	53.0	49.0	45.7	42.4
47.5°	58.9	58.6	58.4	57.7	56.3	54.2	51.3	47.8	44.8	41.5	37.0
50°	50.4	50.2	49.7	49.5	48.3	47.1	45.0	42.9	40.3	36.5	33.0
52.5°	40.0	40.3	41.0	41.2	41.0	40.0	39.1	38.4	34.9	32.5	29.2
55°	32.7	32.7	32.5	32.7	33.0	33.4	33.4	32.5	30.1	28.0	25.2
57.5°	26.9	26.9	26.9	26.9	26.9	27.1	27.1	26.9	25.7	23.6	21.0
60°	22.1	21.9	21.9	22.1	21.9	21.9	22.1	22.1	21.0	19.3	17.0
62.5°	17.9	17.9	17.9	17.7	17.7	17.9	17.9	17.7	16.7	15.1	13.4
65°	14.1	14.1	14.1	14.1	14.1	14.4	14.1	13.9	13.0	11.8	10.6
67.5°	10.8	10.8	11.1	10.8	11.1	11.1	11.1	10.6	9.9	9.0	8.2
70°	8.0	8.0	8.0	8.2	8.5	8.5	8.2	7.8	7.3	6.8	6.1
72.5°	5.4	5.7	5.7	5.7	5.9	5.9	5.7	5.4	5.2	4.7	4.5
75°	3.5	3.3	3.5	3.5	3.8	3.8	3.5	3.5	3.3	3.1	2.8
77.5°	1.6	1.6	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.6	1.6
80°	0.5	0.5	0.5	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

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
2.5°	54.2	53.5	52.5	49.9	47.6	45.5	44.3	44.0
5°	57.9	57.0	54.6	49.2	44.8	41.2	39.1	38.6
7.5°	61.9	60.1	56.8	48.3	41.9	37.4	35.1	34.4
10°	65.0	62.7	58.2	47.1	39.1	34.4	31.6	30.6
12.5°	67.1	64.3	59.4	45.7	36.7	31.1	28.3	27.3
15°	68.3	65.2	59.6	43.6	33.9	28.5	25.4	24.7
17.5°	68.8	65.2	59.1	41.9	31.3	25.9	23.1	22.1
20°	68.5	64.3	57.9	39.6	29.0	23.6	20.7	20.0
22.5°	67.6	62.9	56.1	37.2	26.6	21.2	18.8	18.4
25°	66.2	61.0	53.9	35.1	24.5	19.5	17.2	16.7
27.5°	63.8	58.6	51.1	32.7	22.6	17.9	15.8	15.1
30°	60.8	55.8	48.3	30.4	20.7	16.3	14.4	13.9
32.5°	57.5	52.5	45.5	28.0	19.1	15.1	13.2	12.7
35°	53.7	49.0	41.9	25.7	17.4	13.9	12.0	11.8
37.5°	49.9	45.2	38.9	23.8	16.0	12.7	11.1	10.8
40°	45.7	41.9	37.2	21.7	14.8	11.8	10.4	9.9
42.5°	43.1	37.9	32.0	19.8	13.7	10.8	9.4	9.2
45°	37.4	33.7	29.0	17.9	12.5	9.9	8.7	8.5
47.5°	33.7	30.4	25.9	16.0	11.5	9.2	8.0	7.8
50°	29.9	26.9	22.6	14.1	10.6	8.5	7.3	7.1
52.5°	26.1	23.1	19.3	12.5	9.4	7.8	6.6	6.4
55°	22.4	19.5	16.0	10.8	8.5	7.1	6.1	5.7
57.5°	18.4	16.0	13.7	9.7	7.5	6.4	5.4	4.9
60°	14.8	13.4	11.5	8.5	6.6	5.7	4.7	4.5
62.5°	12.0	10.8	9.7	7.3	5.9	4.9	4.2	3.5
65°	9.7	9.0	8.0	5.9	4.9	4.2	3.5	2.8
67.5°	7.5	7.1	6.4	4.9	4.0	3.5	2.6	2.1
70°	5.9	5.4	4.9	3.5	3.1	2.6	1.9	1.4
72.5°	4.2	3.8	3.5	2.6	2.1	1.9	1.2	0.7
75°	2.6	2.6	2.1	1.4	1.2	0.9	0.5	0.2
77.5°	1.4	1.4	1.2	0.7	0.7	0.2	0.0	0.0
80°	0.7	0.5	0.5	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)