

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: P1312175

Luminaire Tested: LDSQA3D02R709050DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312175
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: LDSQA3D02R709050DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

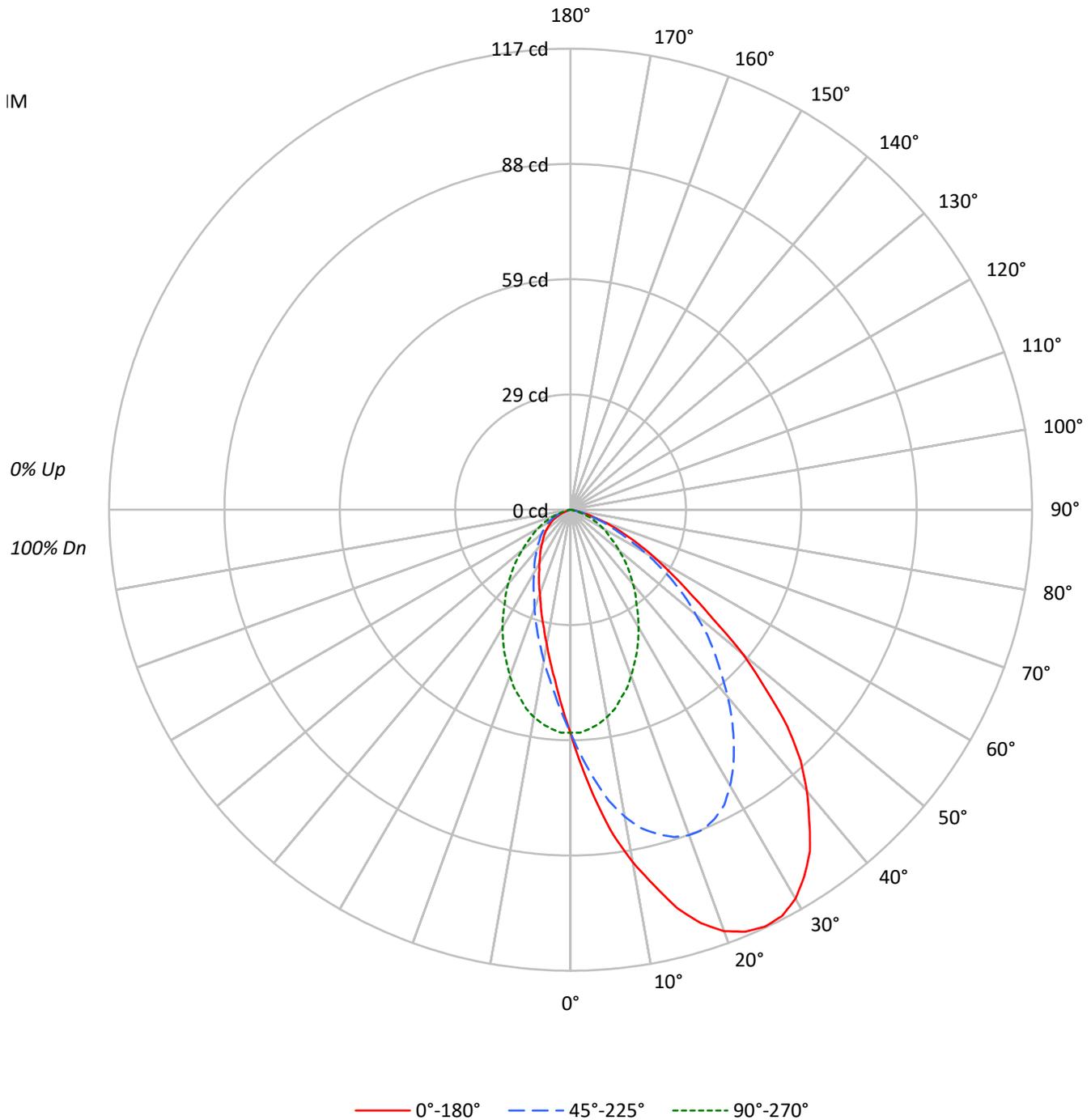
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 127.0 lumens
Efficiency: N/A
Efficacy: 35.3 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 (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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9748	9748	9748	9748	9748
5°	12828	11860	9647	8074	7572
10°	15879	13833	9339	6820	6068
15°	18668	15191	8808	5759	4992
20°	20857	16110	8229	4893	4160
25°	22176	16437	7563	4219	3611
30°	22671	16088	6861	3659	3142
35°	22244	15159	6118	3322	2817
40°	20953	13939	5531	3013	2518
45°	18925	12616	4944	2728	2338
50°	15326	11092	4287	2572	2143
55°	11140	9548	3693	2402	1922
60°	8646	7543	3307	2204	1757
65°	6520	5461	2730	1956	1304
70°	4582	3877	2014	1460	806
75°	2662	2329	1065	732	200
80°	496	793	298	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18925 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	4.4
10°-20°	16.5	13.0
20°-30°	24.9	19.6
30°-40°	27.7	21.8
40°-50°	24.5	19.3
50°-60°	16.6	13.1
60°-70°	8.7	6.9
70°-80°	2.5	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°	46.9	36.9
0°-40°	74.6	58.7
0°-60°	115.7	91.1
0°-90°	127.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	127.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	57	57	57	57	57	
5°	74	69	56	47	44	8
15°	105	85	49	32	28	30
25°	117	86	40	22	19	54
35°	106	72	29	16	13	66
45°	78	52	20	11	10	59
55°	37	32	12	8	6	34
65°	16	13	7	5	3	16
75°	4	4	2	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°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
2.5°	65.2	64.9	64.6	64.6	64.4	64.1	63.6	63.6	63.0	62.5	62.0
5°	74.2	74.2	74.2	73.4	73.4	72.4	71.8	70.8	69.7	68.6	67.3
7.5°	83.3	83.3	82.5	82.3	81.5	80.4	79.6	78.0	76.1	74.5	72.4
10°	90.8	90.8	90.0	89.5	87.9	86.8	85.2	83.3	81.5	79.1	76.4
12.5°	97.5	97.8	96.7	95.6	94.0	92.4	90.3	87.9	85.5	82.8	79.3
15°	104.7	104.4	103.1	101.8	99.9	97.5	94.8	91.6	88.4	85.2	81.5
17.5°	110.0	109.8	108.4	106.8	104.4	101.5	98.6	94.8	91.1	87.1	82.5
20°	113.8	113.5	112.2	110.0	107.6	104.4	101.0	96.7	92.7	87.9	82.8
22.5°	115.9	115.6	114.0	112.2	109.2	105.8	102.0	97.5	92.9	87.9	82.3
25°	116.7	116.2	114.6	112.4	109.5	105.8	101.5	96.7	91.9	86.5	80.7
27.5°	116.2	115.6	113.8	111.4	108.2	103.9	99.6	94.8	89.7	84.4	78.3
30°	114.0	113.2	111.6	109.2	105.8	101.5	96.9	91.9	86.5	80.9	74.8
32.5°	110.3	109.8	108.2	105.5	102.0	97.8	93.2	87.9	82.5	76.9	70.8
35°	105.8	104.7	103.1	100.7	97.2	92.9	88.4	82.8	77.7	72.1	66.2
37.5°	99.4	99.1	97.2	95.3	91.9	87.3	83.1	77.7	72.6	67.3	61.4
40°	93.2	92.7	91.1	88.9	85.5	81.5	76.9	72.1	67.0	62.0	56.6
42.5°	86.3	85.5	84.4	82.3	79.1	75.0	70.8	66.0	61.4	56.6	51.8
45°	77.7	77.5	76.1	75.0	72.1	68.6	64.4	60.1	55.6	51.8	48.1
47.5°	66.8	66.5	66.2	65.4	63.8	61.4	58.2	54.2	50.7	47.0	41.9
50°	57.2	56.9	56.4	56.1	54.8	53.4	51.0	48.6	45.7	41.4	37.4
52.5°	45.4	45.7	46.5	46.7	46.5	45.4	44.3	43.5	39.5	36.9	33.1
55°	37.1	37.1	36.9	37.1	37.4	37.9	37.9	36.9	34.2	31.8	28.6
57.5°	30.4	30.4	30.4	30.4	30.4	30.7	30.7	30.4	29.1	26.7	23.8
60°	25.1	24.8	24.8	25.1	24.8	24.8	25.1	25.1	23.8	21.9	19.2
62.5°	20.3	20.3	20.3	20.0	20.0	20.3	20.3	20.0	19.0	17.1	15.2
65°	16.0	16.0	16.0	16.0	16.0	16.3	16.0	15.8	14.7	13.4	12.0
67.5°	12.3	12.3	12.6	12.3	12.6	12.6	12.6	12.0	11.2	10.1	9.3
70°	9.1	9.1	9.1	9.3	9.6	9.6	9.3	8.8	8.3	7.7	6.9
72.5°	6.1	6.4	6.4	6.4	6.7	6.7	6.4	6.1	5.9	5.3	5.1
75°	4.0	3.7	4.0	4.0	4.3	4.3	4.0	4.0	3.7	3.5	3.2
77.5°	1.9	1.9	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.9	1.9
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
2.5°	61.4	60.6	59.6	56.6	54.0	51.5	50.2	49.9
5°	65.7	64.6	62.0	55.8	50.7	46.7	44.3	43.8
7.5°	70.2	68.1	64.4	54.8	47.5	42.5	39.8	39.0
10°	73.7	71.0	66.0	53.4	44.3	39.0	35.8	34.7
12.5°	76.1	72.9	67.3	51.8	41.7	35.3	32.0	31.0
15°	77.5	74.0	67.6	49.4	38.5	32.3	28.8	28.0
17.5°	78.0	74.0	67.0	47.5	35.5	29.4	26.2	25.1
20°	77.7	72.9	65.7	44.9	32.9	26.7	23.5	22.7
22.5°	76.7	71.3	63.6	42.2	30.2	24.0	21.4	20.8
25°	75.0	69.2	61.2	39.8	27.8	22.2	19.5	19.0
27.5°	72.4	66.5	58.0	37.1	25.6	20.3	17.9	17.1
30°	68.9	63.3	54.8	34.5	23.5	18.4	16.3	15.8
32.5°	65.2	59.6	51.5	31.8	21.6	17.1	15.0	14.4
35°	60.9	55.6	47.5	29.1	19.8	15.8	13.6	13.4
37.5°	56.6	51.3	44.1	27.0	18.2	14.4	12.6	12.3
40°	51.8	47.5	42.2	24.6	16.8	13.4	11.8	11.2
42.5°	48.9	43.0	36.3	22.4	15.5	12.3	10.7	10.4
45°	42.5	38.2	32.9	20.3	14.2	11.2	9.9	9.6
47.5°	38.2	34.5	29.4	18.2	13.1	10.4	9.1	8.8
50°	33.9	30.4	25.6	16.0	12.0	9.6	8.3	8.0
52.5°	29.6	26.2	21.9	14.2	10.7	8.8	7.5	7.2
55°	25.4	22.2	18.2	12.3	9.6	8.0	6.9	6.4
57.5°	20.8	18.2	15.5	11.0	8.5	7.2	6.1	5.6
60°	16.8	15.2	13.1	9.6	7.5	6.4	5.3	5.1
62.5°	13.6	12.3	11.0	8.3	6.7	5.6	4.8	4.0
65°	11.0	10.1	9.1	6.7	5.6	4.8	4.0	3.2
67.5°	8.5	8.0	7.2	5.6	4.5	4.0	2.9	2.4
70°	6.7	6.1	5.6	4.0	3.5	2.9	2.1	1.6
72.5°	4.8	4.3	4.0	2.9	2.4	2.1	1.3	0.8
75°	2.9	2.9	2.4	1.6	1.3	1.1	0.5	0.3
77.5°	1.6	1.6	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)