

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: P1311077

Luminaire Tested: LDSQA3D02R709040DE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311077
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: LDSQA3D02R709040DE010 3LSQCLSWWR 1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCLSWWR 1MMS T
Light Source: -
Ballast/Driver: -

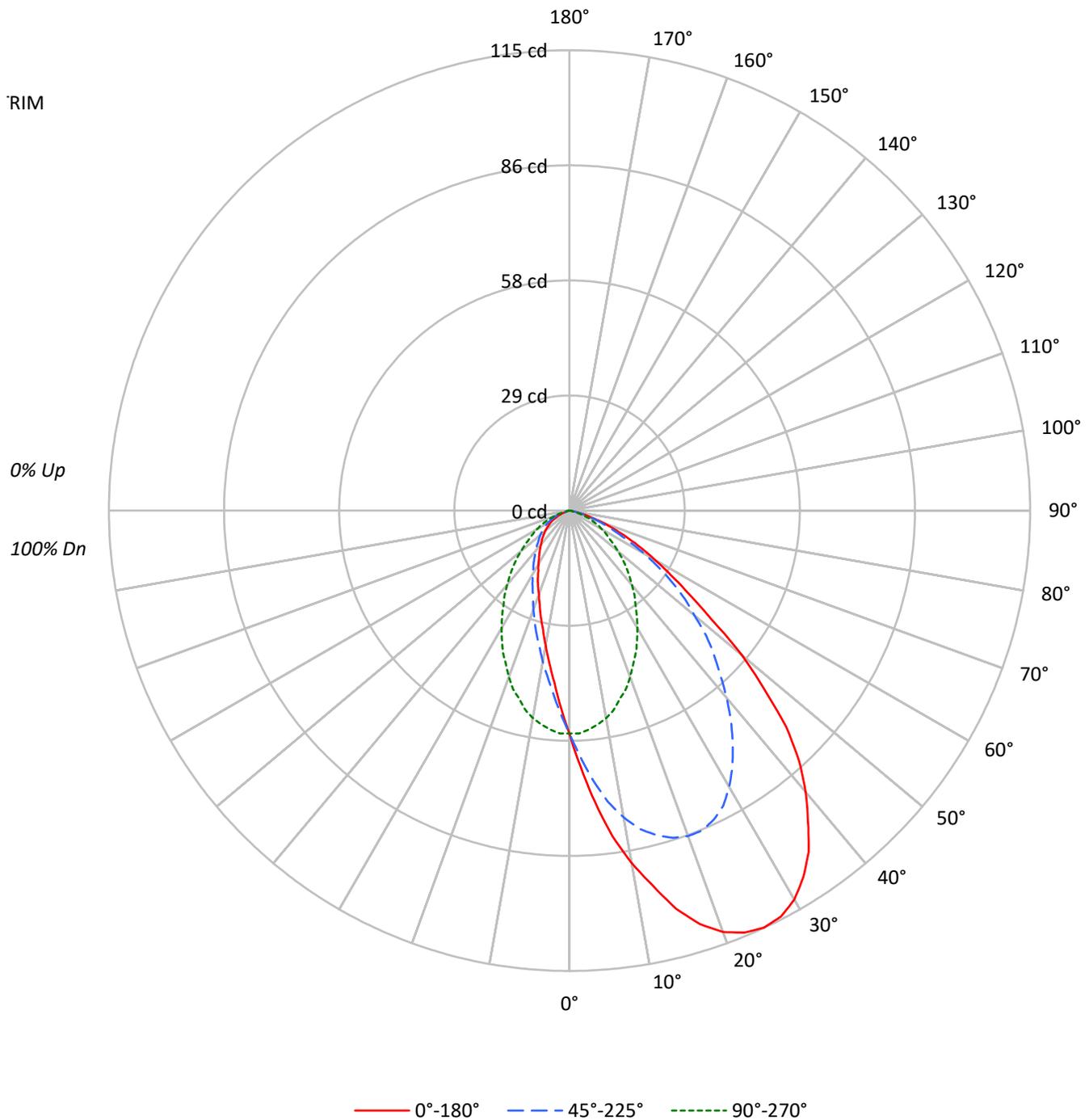
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 125.0 lumens
Efficiency: N/A
Efficacy: 34.7 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				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	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	90	90	90	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	69	69	69	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	61	61	61	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	54	54	54	52
6	75	63	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	48	48	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	43	43	43	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	39	39	39	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	36	36	36	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	33	33	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9593	9593	9593	9593	9593
5°	12638	11687	9491	7953	7451
10°	15634	13606	9199	6715	5981
15°	18365	14959	8665	5670	4921
20°	20527	15853	8101	4820	4087
25°	21834	16190	7449	4143	3553
30°	22313	15850	6742	3599	3082
35°	21887	14927	6034	3259	2754
40°	20616	13714	5441	2945	2473
45°	18632	12422	4871	2679	2314
50°	15085	10905	4233	2545	2117
55°	10960	9398	3633	2372	1892
60°	8508	7440	3272	2170	1722
65°	6439	5338	2690	1915	1304
70°	4482	3827	1964	1460	806
75°	2595	2262	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: 18632 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	4.4
10°-20°	16.2	13.0
20°-30°	24.5	19.6
30°-40°	27.2	21.8
40°-50°	24.1	19.3
50°-60°	16.4	13.1
60°-70°	8.6	6.9
70°-80°	2.4	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°	46.2	36.9
0°-40°	73.4	58.7
0°-60°	113.9	91.1
0°-90°	125.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	125.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	56	56	56	56	56	
5°	73	68	55	46	43	7
15°	103	84	49	32	28	29
25°	115	85	39	22	19	53
35°	104	71	29	16	13	65
45°	76	51	20	11	10	58
55°	36	31	12	8	6	34
65°	16	13	7	5	3	16
75°	4	3	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°	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
2.5°	64.1	63.9	63.6	63.6	63.4	63.1	62.6	62.6	62.0	61.5	61.0
5°	73.1	73.1	73.1	72.3	72.3	71.2	70.7	69.7	68.6	67.6	66.2
7.5°	82.0	82.0	81.2	81.0	80.2	79.1	78.3	76.8	74.9	73.3	71.2
10°	89.4	89.4	88.6	88.1	86.5	85.4	83.9	82.0	80.2	77.8	75.2
12.5°	95.9	96.2	95.2	94.1	92.5	91.0	88.9	86.5	84.1	81.5	78.1
15°	103.0	102.8	101.5	100.2	98.3	95.9	93.3	90.2	87.0	83.9	80.2
17.5°	108.3	108.0	106.7	105.1	102.8	99.9	97.0	93.3	89.6	85.7	81.2
20°	112.0	111.7	110.4	108.3	105.9	102.8	99.4	95.2	91.2	86.5	81.5
22.5°	114.1	113.8	112.2	110.4	107.5	104.1	100.4	95.9	91.5	86.5	81.0
25°	114.9	114.3	112.8	110.7	107.8	104.1	99.9	95.2	90.4	85.2	79.4
27.5°	114.3	113.8	112.0	109.6	106.5	102.3	98.1	93.3	88.3	83.1	77.0
30°	112.2	111.5	109.9	107.5	104.1	99.9	95.4	90.4	85.2	79.7	73.6
32.5°	108.6	108.0	106.5	103.8	100.4	96.2	91.7	86.5	81.2	75.7	69.7
35°	104.1	103.0	101.5	99.1	95.7	91.5	87.0	81.5	76.5	71.0	65.2
37.5°	97.8	97.5	95.7	93.8	90.4	86.0	81.8	76.5	71.5	66.2	60.5
40°	91.7	91.2	89.6	87.5	84.1	80.2	75.7	71.0	66.0	61.0	55.7
42.5°	84.9	84.1	83.1	81.0	77.8	73.9	69.7	64.9	60.5	55.7	51.0
45°	76.5	76.2	74.9	73.9	71.0	67.6	63.4	59.1	54.7	51.0	47.3
47.5°	65.7	65.5	65.2	64.4	62.8	60.5	57.3	53.4	49.9	46.3	41.3
50°	56.3	56.0	55.5	55.2	53.9	52.6	50.2	47.8	45.0	40.7	36.8
52.5°	44.7	45.0	45.7	46.0	45.7	44.7	43.6	42.8	38.9	36.3	32.6
55°	36.5	36.5	36.3	36.5	36.8	37.3	37.3	36.3	33.6	31.3	28.1
57.5°	30.0	30.0	30.0	30.0	30.0	30.2	30.2	30.0	28.7	26.3	23.4
60°	24.7	24.4	24.4	24.7	24.4	24.4	24.7	24.7	23.4	21.6	18.9
62.5°	20.0	20.0	20.0	19.7	19.7	20.0	20.0	19.7	18.7	16.8	15.0
65°	15.8	15.8	15.8	15.8	15.8	16.0	15.8	15.5	14.5	13.1	11.8
67.5°	12.1	12.1	12.4	12.1	12.4	12.4	12.4	11.8	11.0	10.0	9.2
70°	8.9	8.9	8.9	9.2	9.5	9.5	9.2	8.7	8.1	7.6	6.8
72.5°	6.0	6.3	6.3	6.3	6.6	6.6	6.3	6.0	5.8	5.3	5.0
75°	3.9	3.7	3.9	3.9	4.2	4.2	3.9	3.9	3.7	3.4	3.2
77.5°	1.8	1.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1	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



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
2.5°	60.5	59.7	58.6	55.7	53.1	50.7	49.4	49.2
5°	64.7	63.6	61.0	54.9	49.9	46.0	43.6	43.1
7.5°	69.1	67.0	63.4	53.9	46.8	41.8	39.2	38.4
10°	72.6	69.9	64.9	52.6	43.6	38.4	35.2	34.2
12.5°	74.9	71.8	66.2	51.0	41.0	34.7	31.5	30.5
15°	76.2	72.8	66.5	48.6	37.9	31.8	28.4	27.6
17.5°	76.8	72.8	66.0	46.8	35.0	28.9	25.8	24.7
20°	76.5	71.8	64.7	44.2	32.3	26.3	23.1	22.3
22.5°	75.4	70.2	62.6	41.5	29.7	23.7	21.0	20.5
25°	73.9	68.1	60.2	39.2	27.3	21.8	19.2	18.7
27.5°	71.2	65.5	57.0	36.5	25.2	20.0	17.6	16.8
30°	67.8	62.3	53.9	33.9	23.1	18.1	16.0	15.5
32.5°	64.1	58.6	50.7	31.3	21.3	16.8	14.7	14.2
35°	59.9	54.7	46.8	28.7	19.5	15.5	13.4	13.1
37.5°	55.7	50.5	43.4	26.6	17.9	14.2	12.4	12.1
40°	51.0	46.8	41.5	24.2	16.6	13.1	11.6	11.0
42.5°	48.1	42.3	35.8	22.1	15.2	12.1	10.5	10.3
45°	41.8	37.6	32.3	20.0	13.9	11.0	9.7	9.5
47.5°	37.6	33.9	28.9	17.9	12.9	10.3	8.9	8.7
50°	33.4	30.0	25.2	15.8	11.8	9.5	8.1	7.9
52.5°	29.2	25.8	21.6	13.9	10.5	8.7	7.4	7.1
55°	25.0	21.8	17.9	12.1	9.5	7.9	6.8	6.3
57.5°	20.5	17.9	15.2	10.8	8.4	7.1	6.0	5.5
60°	16.6	15.0	12.9	9.5	7.4	6.3	5.3	5.0
62.5°	13.4	12.1	10.8	8.1	6.6	5.5	4.7	3.9
65°	10.8	10.0	8.9	6.6	5.5	4.7	3.9	3.2
67.5°	8.4	7.9	7.1	5.5	4.5	3.9	2.9	2.4
70°	6.6	6.0	5.5	3.9	3.4	2.9	2.1	1.6
72.5°	4.7	4.2	3.9	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)