

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: P1311078

Luminaire Tested: LDSQA3D02R709040DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R709040DE010 3LSQCLSWWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCLSWWWR 1MW TF
Light Source: -
Ballast/Driver: -

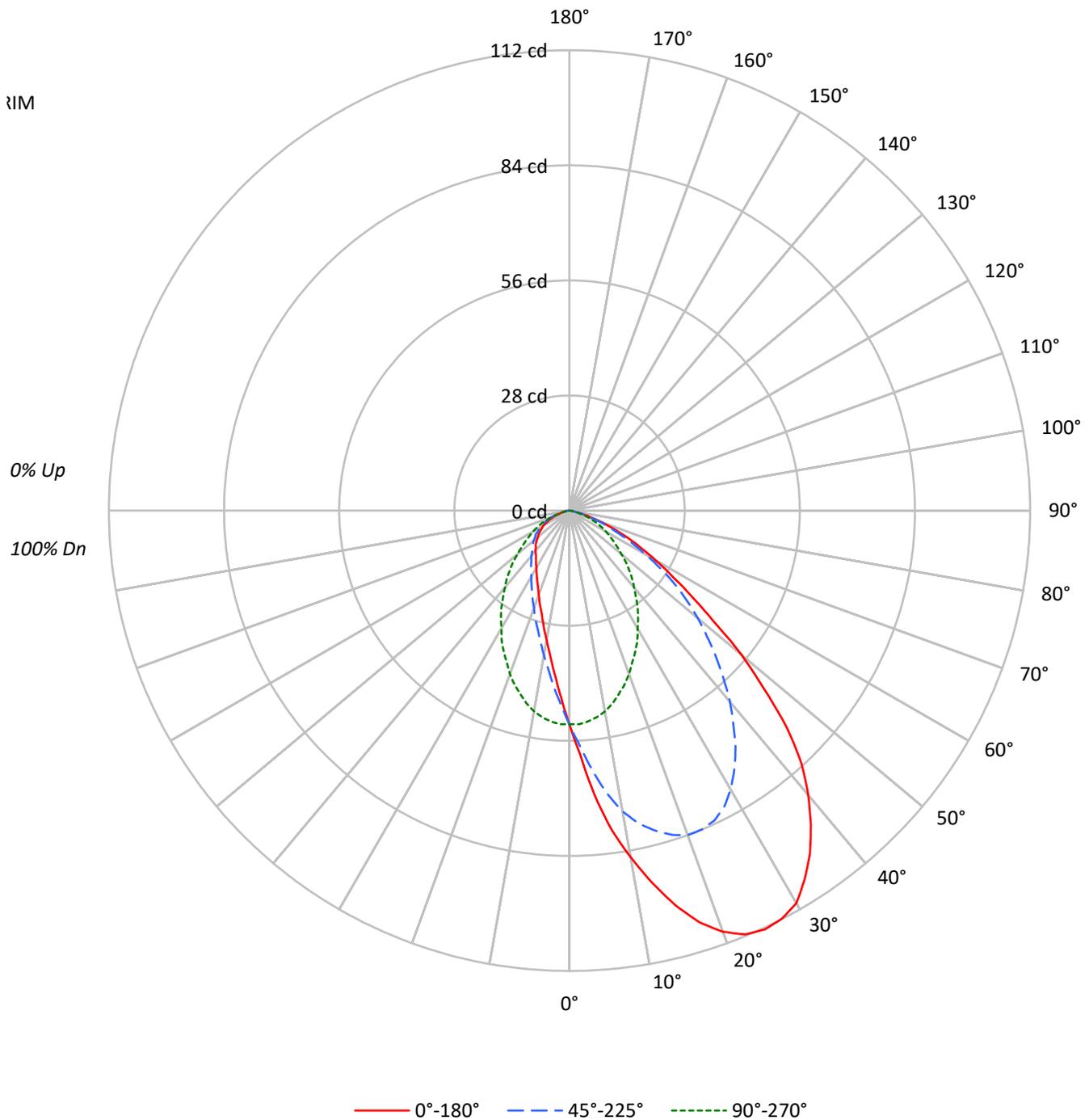
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 127.0 lumens
Efficiency: N/A
Efficacy: 35.3 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
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		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	102	102	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	90	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	78	78	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	68	68	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	60	60	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	53	53	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	47	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	42	42	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	38	38	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	35	35	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	32	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8956	8956	8956	8956	8956
5°	11981	10943	8903	7451	6950
10°	14970	12994	8674	6243	5596
15°	17705	14371	8237	5331	4636
20°	19977	15395	7753	4619	3995
25°	21359	15810	7183	4086	3534
30°	21935	15571	6582	3699	3182
35°	21424	14801	6076	3427	2985
40°	20301	13647	5486	3237	2900
45°	18218	12275	4993	3142	2825
50°	14629	10905	4421	3028	2679
55°	10809	9398	3933	3003	2612
60°	8336	7337	3513	2893	2549
65°	6316	5461	3097	2690	2241
70°	4230	3827	2367	2367	1863
75°	2262	2262	1597	1597	1397
80°	496	1091	793	1091	1289
85°	0	593	593	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18218 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	4.0
10°-20°	15.6	12.3
20°-30°	24.0	18.9
30°-40°	27.3	21.5
40°-50°	24.7	19.4
50°-60°	17.3	13.6
60°-70°	9.5	7.5
70°-80°	3.2	2.5
80°-90°	0.4	0.3
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°	44.7	35.2
0°-40°	72.0	56.7
0°-60°	113.9	89.7
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°	52	52	52	52	52	
5°	69	63	52	43	40	7
15°	99	81	46	30	26	28
25°	112	83	38	22	19	52
35°	102	70	29	16	14	63
45°	75	50	20	13	12	57
55°	36	31	13	10	9	33
65°	16	13	8	7	6	15
75°	3	3	2	2	2	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°	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
2.5°	59.4	59.9	60.1	59.6	59.4	59.1	58.6	58.3	57.8	57.2	57.0
5°	69.3	69.3	69.3	68.8	68.0	67.5	66.4	65.7	64.3	63.3	62.2
7.5°	78.3	78.3	78.0	77.2	76.7	75.4	74.1	73.0	70.9	69.3	67.2
10°	85.6	85.6	85.3	84.0	83.2	81.7	80.4	78.5	76.4	74.3	72.0
12.5°	92.7	92.7	91.7	90.6	89.0	86.9	85.1	83.2	80.4	78.0	75.1
15°	99.3	99.3	98.7	96.9	94.8	92.4	89.8	87.2	83.8	80.6	77.5
17.5°	105.0	104.8	104.0	101.9	99.8	96.9	93.8	90.6	86.4	82.7	78.8
20°	109.0	109.0	107.9	105.6	103.2	100.1	96.6	93.0	88.5	84.0	79.3
22.5°	111.6	111.3	110.3	107.9	105.0	101.9	98.0	94.0	89.0	84.0	79.0
25°	112.4	112.1	111.1	108.5	105.6	102.2	98.0	93.8	88.5	83.2	77.7
27.5°	111.9	111.6	110.6	107.7	104.8	100.8	96.6	92.2	86.9	81.4	75.9
30°	110.3	109.5	108.5	105.8	102.7	98.7	94.3	89.3	84.0	78.3	72.7
32.5°	106.4	106.4	105.0	102.4	99.3	95.1	90.6	85.9	80.1	74.6	68.8
35°	101.9	101.6	100.6	97.7	94.8	90.9	86.4	81.4	75.9	70.4	64.9
37.5°	96.4	96.1	95.1	92.4	89.3	85.6	80.9	76.2	70.9	65.4	60.4
40°	90.3	89.8	88.5	86.4	83.8	79.6	75.4	70.6	65.7	60.7	55.7
42.5°	83.5	83.0	81.9	80.4	77.2	73.5	69.6	65.1	60.4	55.4	51.7
45°	74.8	74.8	74.3	72.7	70.4	67.5	63.3	59.4	54.9	50.4	46.5
47.5°	64.1	64.6	64.3	63.6	62.5	59.9	57.0	53.6	49.4	45.4	41.8
50°	54.6	54.9	55.1	54.6	53.8	52.0	50.2	48.1	44.4	40.7	37.3
52.5°	43.9	44.6	44.6	44.9	44.9	44.4	43.9	41.5	39.7	36.0	32.8
55°	36.0	36.0	36.0	36.5	36.8	37.0	36.5	36.0	33.9	31.3	28.4
57.5°	29.4	29.4	29.9	29.7	29.7	30.2	30.2	29.9	28.6	26.3	23.6
60°	24.2	24.2	24.2	24.2	24.4	24.4	24.4	24.4	23.4	21.3	19.2
62.5°	19.4	19.4	19.4	19.7	19.7	19.7	20.0	19.7	18.6	17.1	15.2
65°	15.5	15.2	15.5	15.5	15.8	15.8	15.8	15.5	14.4	13.4	12.1
67.5°	11.6	11.8	11.8	11.8	12.1	12.3	12.1	11.8	11.0	10.0	9.5
70°	8.4	8.7	8.7	8.7	8.9	9.2	8.9	8.7	8.1	7.6	7.1
72.5°	5.5	5.8	5.8	6.0	6.3	6.3	6.0	6.0	5.8	5.3	5.0
75°	3.4	3.4	3.7	3.7	3.9	3.9	3.9	3.7	3.7	3.4	3.4
77.5°	1.6	1.6	1.8	1.8	1.8	2.1	2.1	2.1	2.1	2.1	1.8
80°	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8	1.1	1.1	1.1
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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°	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
2.5°	56.5	55.7	54.6	52.0	49.4	47.3	46.0	45.7
5°	60.9	59.6	57.2	51.5	46.7	43.1	41.0	40.2
7.5°	65.4	63.0	59.6	50.7	43.6	39.1	36.8	35.7
10°	69.1	66.2	61.7	49.6	41.0	35.7	32.8	32.0
12.5°	72.0	68.5	63.0	48.1	38.3	32.6	29.7	28.9
15°	73.8	70.1	63.8	46.2	35.7	29.9	27.0	26.0
17.5°	74.6	70.1	63.6	44.4	33.4	27.6	24.7	23.9
20°	74.6	69.6	62.8	42.3	31.0	25.2	22.6	21.8
22.5°	73.8	68.5	60.9	39.9	28.9	23.4	20.7	20.0
25°	72.2	66.4	58.8	37.8	26.8	21.5	19.2	18.6
27.5°	69.9	64.1	56.2	35.7	24.9	20.0	17.9	17.3
30°	67.0	61.2	53.3	33.1	23.1	18.6	16.8	16.0
32.5°	63.3	57.8	50.2	31.0	21.5	17.3	15.8	15.2
35°	59.4	54.4	46.7	28.9	20.0	16.3	14.7	14.2
37.5°	55.4	50.2	43.9	26.5	18.6	15.2	13.9	13.4
40°	51.2	47.3	40.7	24.4	17.6	14.4	13.1	12.9
42.5°	47.0	42.8	36.2	22.6	16.3	13.4	12.3	12.1
45°	42.0	38.1	32.8	20.5	15.2	12.9	11.8	11.6
47.5°	37.8	34.1	29.4	18.6	14.2	12.1	11.0	10.8
50°	33.9	30.2	25.7	16.5	13.1	11.3	10.5	10.0
52.5°	29.4	26.3	22.3	14.7	12.1	10.5	9.7	9.5
55°	25.5	22.3	18.6	13.1	11.0	10.0	8.9	8.7
57.5°	21.0	18.4	15.8	11.6	10.0	8.9	8.4	7.9
60°	17.1	15.2	13.4	10.2	8.9	8.4	7.6	7.4
62.5°	13.9	12.6	11.3	8.9	7.9	7.4	6.8	6.3
65°	11.0	10.2	9.2	7.6	6.8	6.6	6.0	5.5
67.5°	8.7	8.1	7.4	6.0	5.8	5.5	5.0	4.5
70°	6.6	6.3	5.8	4.7	4.5	4.7	4.2	3.7
72.5°	4.7	4.5	4.2	3.4	3.4	3.4	3.2	2.6
75°	3.2	2.9	2.6	2.4	2.4	2.4	2.4	2.1
77.5°	1.8	1.8	1.6	1.3	1.6	1.6	1.8	1.8
80°	0.8	0.8	0.8	0.8	1.1	1.1	1.3	1.3
82.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8
85°	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)