

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: P1319905

Luminaire Tested: LDSQA3D05R709840DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319905
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: LDSQA3D05R709840DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

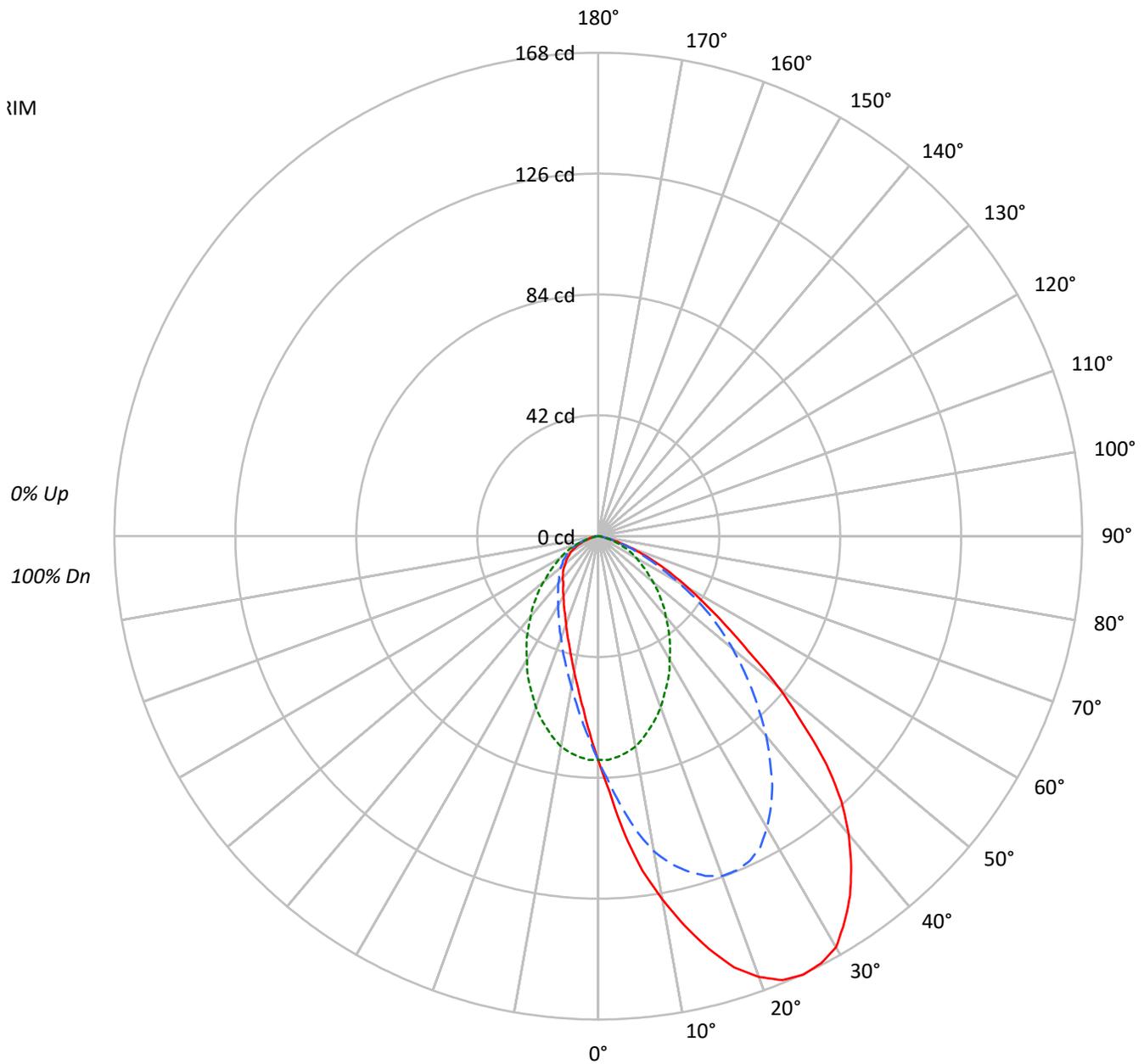
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 190.0 lumens
Efficiency: N/A
Efficacy: 26.4 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): 7.2
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	102	102	102	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	90	90	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	78	78	78	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	68	68	68	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	60	60	60	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	53	53	53	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	47	47	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	42	42	42	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	38	38	38	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	35	35	35	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	32	32	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	13399	13399	13399	13399	13399
5°	17928	16372	13312	11134	10390
10°	22402	19447	12994	9339	8377
15°	26477	21503	12320	7988	6936
20°	29874	23038	11601	6909	5975
25°	31962	23658	10756	6119	5302
30°	32813	23287	9844	5548	4773
35°	32041	22139	9083	5130	4457
40°	30396	20414	8206	4856	4339
45°	27279	18364	7453	4701	4214
50°	21890	16317	6645	4528	3992
55°	16154	14052	5885	4474	3903
60°	12434	10953	5270	4340	3789
65°	9454	8150	4646	3994	3382
70°	6345	5740	3575	3575	2769
75°	3394	3394	2329	2329	2063
80°	793	1587	1190	1587	1984
85°	0	790	790	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 27279 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.7	4.0
10°-20°	23.3	12.3
20°-30°	35.9	18.9
30°-40°	40.8	21.5
40°-50°	36.9	19.4
50°-60°	25.8	13.6
60°-70°	14.2	7.5
70°-80°	4.7	2.5
80°-90°	0.6	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°	66.9	35.2
0°-40°	107.7	56.7
0°-60°	170.4	89.7
0°-90°	190.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	190.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	78	78	78	78	78	
5°	104	95	77	64	60	11
15°	148	121	69	45	39	42
25°	168	124	57	32	28	77
35°	152	105	43	24	21	95
45°	112	75	31	19	17	85
55°	54	47	20	15	13	49
65°	23	20	11	10	8	23
75°	5	5	4	4	3	6
85°	0	0	0	1	1	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°	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
2.5°	88.8	89.6	90.0	89.2	88.8	88.4	87.6	87.2	86.4	85.6	85.3
5°	103.7	103.7	103.7	102.9	101.8	101.0	99.4	98.2	96.3	94.7	93.1
7.5°	117.1	117.1	116.7	115.5	114.7	112.8	110.8	109.2	106.1	103.7	100.6
10°	128.1	128.1	127.7	125.7	124.5	122.2	120.2	117.5	114.3	111.2	107.7
12.5°	138.7	138.7	137.1	135.5	133.2	130.0	127.3	124.5	120.2	116.7	112.4
15°	148.5	148.5	147.7	145.0	141.8	138.3	134.4	130.4	125.3	120.6	115.9
17.5°	157.2	156.8	155.6	152.4	149.3	145.0	140.3	135.5	129.3	123.8	117.9
20°	163.0	163.0	161.5	157.9	154.4	149.7	144.6	139.1	132.4	125.7	118.7
22.5°	167.0	166.6	165.0	161.5	157.2	152.4	146.5	140.7	133.2	125.7	118.3
25°	168.2	167.8	166.2	162.3	157.9	152.8	146.5	140.3	132.4	124.5	116.3
27.5°	167.4	167.0	165.4	161.1	156.8	150.9	144.6	137.9	130.0	121.8	113.5
30°	165.0	163.8	162.3	158.3	153.6	147.7	141.0	133.6	125.7	117.1	108.8
32.5°	159.1	159.1	157.2	153.2	148.5	142.2	135.5	128.5	119.8	111.6	102.9
35°	152.4	152.0	150.5	146.2	141.8	135.9	129.3	121.8	113.5	105.3	97.0
37.5°	144.2	143.8	142.2	138.3	133.6	128.1	121.0	113.9	106.1	97.8	90.4
40°	135.2	134.4	132.4	129.3	125.3	119.0	112.8	105.7	98.2	90.8	83.3
42.5°	124.9	124.2	122.6	120.2	115.5	110.0	104.1	97.4	90.4	82.9	77.4
45°	112.0	112.0	111.2	108.8	105.3	101.0	94.7	88.8	82.1	75.4	69.5
47.5°	95.9	96.6	96.3	95.1	93.5	89.6	85.3	80.1	73.9	68.0	62.5
50°	81.7	82.1	82.5	81.7	80.5	77.8	75.0	71.9	66.4	60.9	55.8
52.5°	65.6	66.8	66.8	67.2	67.2	66.4	65.6	62.1	59.3	53.8	49.1
55°	53.8	53.8	53.8	54.6	55.0	55.4	54.6	53.8	50.7	46.8	42.4
57.5°	44.0	44.0	44.8	44.4	44.4	45.2	45.2	44.8	42.8	39.3	35.4
60°	36.1	36.1	36.1	36.1	36.5	36.5	36.5	36.5	35.0	31.8	28.7
62.5°	29.1	29.1	29.1	29.5	29.5	29.5	29.9	29.5	27.9	25.5	22.8
65°	23.2	22.8	23.2	23.2	23.6	23.6	23.6	23.2	21.6	20.0	18.1
67.5°	17.3	17.7	17.7	17.7	18.1	18.5	18.1	17.7	16.5	14.9	14.1
70°	12.6	13.0	13.0	13.0	13.4	13.8	13.4	13.0	12.2	11.4	10.6
72.5°	8.3	8.6	8.6	9.0	9.4	9.4	9.0	9.0	8.6	7.9	7.5
75°	5.1	5.1	5.5	5.5	5.9	5.9	5.9	5.5	5.5	5.1	5.1
77.5°	2.4	2.4	2.8	2.8	2.8	3.1	3.1	3.1	3.1	3.1	2.8
80°	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.6	1.6	1.6
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
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°	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
2.5°	84.5	83.3	81.7	77.8	73.9	70.7	68.8	68.4
5°	91.1	89.2	85.6	77.0	69.9	64.4	61.3	60.1
7.5°	97.8	94.3	89.2	75.8	65.2	58.5	55.0	53.4
10°	103.3	99.0	92.3	74.3	61.3	53.4	49.1	47.9
12.5°	107.7	102.5	94.3	71.9	57.4	48.7	44.4	43.2
15°	110.4	104.9	95.5	69.1	53.4	44.8	40.5	38.9
17.5°	111.6	104.9	95.1	66.4	49.9	41.3	36.9	35.8
20°	111.6	104.1	93.9	63.3	46.4	37.7	33.8	32.6
22.5°	110.4	102.5	91.1	59.7	43.2	35.0	31.0	29.9
25°	108.0	99.4	88.0	56.6	40.1	32.2	28.7	27.9
27.5°	104.5	95.9	84.1	53.4	37.3	29.9	26.7	25.9
30°	100.2	91.5	79.8	49.5	34.6	27.9	25.1	24.0
32.5°	94.7	86.4	75.0	46.4	32.2	25.9	23.6	22.8
35°	88.8	81.3	69.9	43.2	29.9	24.4	22.0	21.2
37.5°	82.9	75.0	65.6	39.7	27.9	22.8	20.8	20.0
40°	76.6	70.7	60.9	36.5	26.3	21.6	19.6	19.3
42.5°	70.3	64.0	54.2	33.8	24.4	20.0	18.5	18.1
45°	62.9	57.0	49.1	30.6	22.8	19.3	17.7	17.3
47.5°	56.6	51.1	44.0	27.9	21.2	18.1	16.5	16.1
50°	50.7	45.2	38.5	24.8	19.6	16.9	15.7	14.9
52.5°	44.0	39.3	33.4	22.0	18.1	15.7	14.5	14.1
55°	38.1	33.4	27.9	19.6	16.5	14.9	13.4	13.0
57.5°	31.4	27.5	23.6	17.3	14.9	13.4	12.6	11.8
60°	25.5	22.8	20.0	15.3	13.4	12.6	11.4	11.0
62.5°	20.8	18.9	16.9	13.4	11.8	11.0	10.2	9.4
65°	16.5	15.3	13.8	11.4	10.2	9.8	9.0	8.3
67.5°	13.0	12.2	11.0	9.0	8.6	8.3	7.5	6.7
70°	9.8	9.4	8.6	7.1	6.7	7.1	6.3	5.5
72.5°	7.1	6.7	6.3	5.1	5.1	5.1	4.7	3.9
75°	4.7	4.3	3.9	3.5	3.5	3.5	3.5	3.1
77.5°	2.8	2.8	2.4	2.0	2.4	2.4	2.8	2.8
80°	1.2	1.2	1.2	1.2	1.6	1.6	2.0	2.0
82.5°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2
85°	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)