

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: P1319904

Luminaire Tested: LDSQA3D05R709840DE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319904
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: LDSQA3D05R709840DE010 3LSQCLSWWR 1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCLSWWR 1MMS T
Light Source: -
Ballast/Driver: -

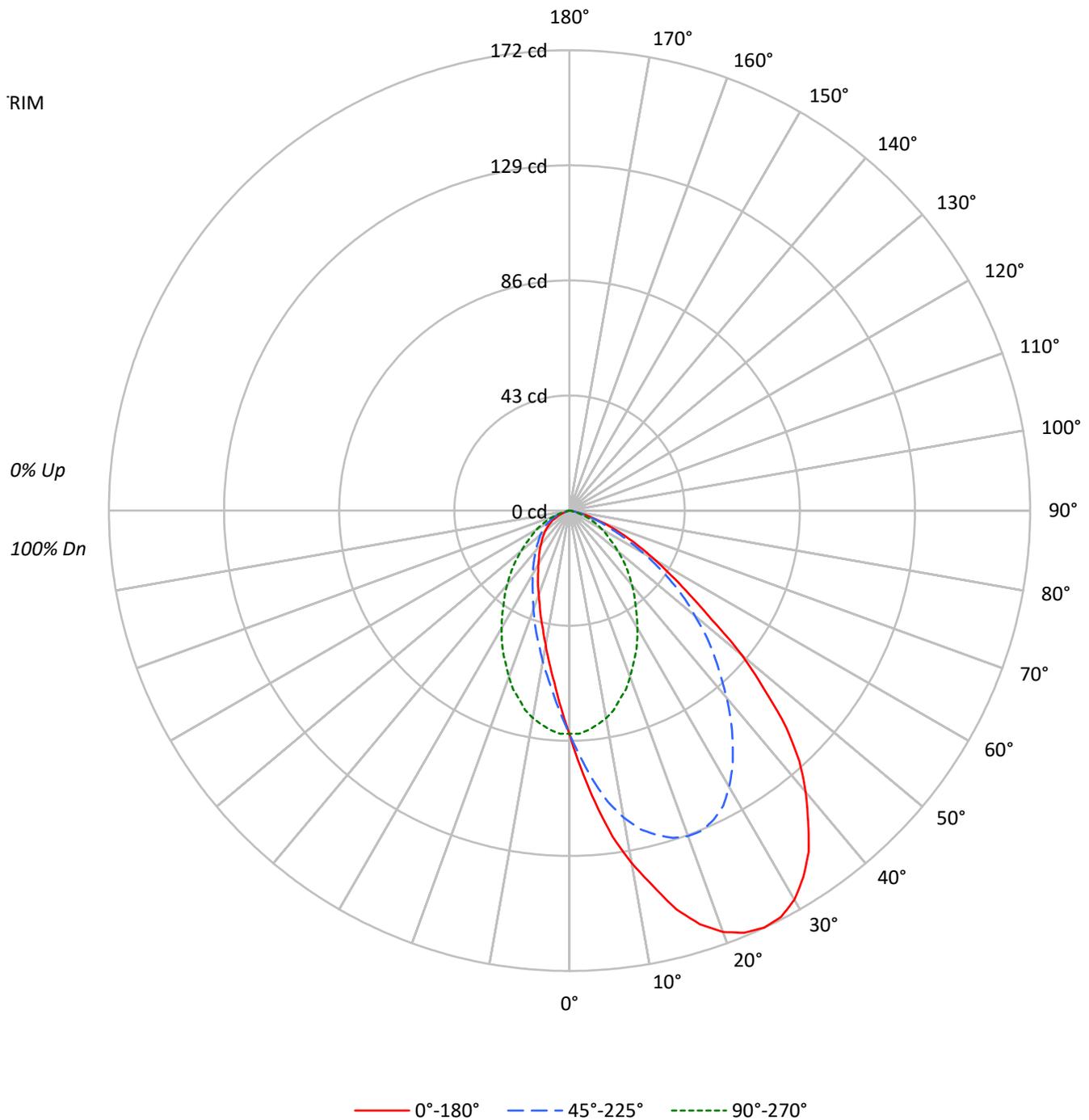
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 187.0 lumens
Efficiency: N/A
Efficacy: 26.0 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): 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





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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	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°	14363	14363	14363	14363	14363
5°	18896	17478	14211	11894	11151
10°	23381	20356	13763	10038	8936
15°	27494	22359	12980	8487	7364
20°	30699	23716	12115	7203	6121
25°	32666	24209	11136	6195	5302
30°	33390	23705	10082	5389	4614
35°	32735	22328	9020	4878	4142
40°	30845	20504	8139	4429	3710
45°	27863	18584	7282	4019	3459
50°	22560	16344	6323	3805	3162
55°	16424	14052	5435	3543	2822
60°	12744	11091	4891	3238	2583
65°	9617	8028	3994	2893	1915
70°	6748	5740	2971	2165	1209
75°	3926	3394	1597	1065	266
80°	793	1190	397	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 27863 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	4.4
10°-20°	24.3	13.0
20°-30°	36.6	19.6
30°-40°	40.7	21.8
40°-50°	36.1	19.3
50°-60°	24.5	13.1
60°-70°	12.9	6.9
70°-80°	3.6	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°	69.1	36.9
0°-40°	109.8	58.7
0°-60°	170.4	91.1
0°-90°	187.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	187.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	83	83	83	83	83	
5°	109	101	82	69	64	11
15°	154	125	73	48	41	44
25°	172	127	59	33	28	79
35°	156	106	43	23	20	97
45°	114	76	30	16	14	87
55°	55	47	18	12	9	51
65°	24	20	10	7	5	24
75°	6	5	2	2	0	7
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°	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
2.5°	96.0	95.6	95.2	95.2	94.8	94.4	93.6	93.6	92.8	92.0	91.2
5°	109.3	109.3	109.3	108.1	108.1	106.6	105.8	104.2	102.6	101.1	99.1
7.5°	122.7	122.7	121.5	121.1	119.9	118.4	117.2	114.8	112.1	109.7	106.6
10°	133.7	133.7	132.5	131.7	129.4	127.8	125.4	122.7	119.9	116.4	112.5
12.5°	143.5	143.9	142.4	140.8	138.4	136.1	132.9	129.4	125.8	121.9	116.8
15°	154.2	153.8	151.8	149.8	147.1	143.5	139.6	134.9	130.2	125.4	119.9
17.5°	162.0	161.6	159.7	157.3	153.8	149.4	145.1	139.6	134.1	128.2	121.5
20°	167.5	167.1	165.2	162.0	158.5	153.8	148.7	142.4	136.5	129.4	121.9
22.5°	170.7	170.3	167.9	165.2	160.8	155.7	150.2	143.5	136.9	129.4	121.1
25°	171.9	171.1	168.7	165.6	161.2	155.7	149.4	142.4	135.3	127.4	118.8
27.5°	171.1	170.3	167.5	164.0	159.3	153.0	146.7	139.6	132.1	124.3	115.2
30°	167.9	166.7	164.4	160.8	155.7	149.4	142.8	135.3	127.4	119.2	110.1
32.5°	162.4	161.6	159.3	155.3	150.2	143.9	137.2	129.4	121.5	113.3	104.2
35°	155.7	154.2	151.8	148.3	143.1	136.9	130.2	121.9	114.4	106.2	97.5
37.5°	146.3	145.9	143.1	140.4	135.3	128.6	122.3	114.4	107.0	99.1	90.4
40°	137.2	136.5	134.1	131.0	125.8	119.9	113.3	106.2	98.7	91.2	83.4
42.5°	127.0	125.8	124.3	121.1	116.4	110.5	104.2	97.1	90.4	83.4	76.3
45°	114.4	114.0	112.1	110.5	106.2	101.1	94.8	88.5	81.8	76.3	70.8
47.5°	98.3	97.9	97.5	96.3	94.0	90.4	85.7	79.8	74.7	69.2	61.7
50°	84.2	83.8	83.0	82.6	80.6	78.7	75.1	71.6	67.2	61.0	55.1
52.5°	66.9	67.2	68.4	68.8	68.4	66.9	65.3	64.1	58.2	54.3	48.8
55°	54.7	54.7	54.3	54.7	55.1	55.8	55.8	54.3	50.3	46.8	42.1
57.5°	44.8	44.8	44.8	44.8	44.8	45.2	45.2	44.8	42.9	39.3	35.0
60°	37.0	36.6	36.6	37.0	36.6	36.6	37.0	37.0	35.0	32.2	28.3
62.5°	29.9	29.9	29.9	29.5	29.5	29.9	29.9	29.5	27.9	25.2	22.4
65°	23.6	23.6	23.6	23.6	23.6	24.0	23.6	23.2	21.6	19.7	17.7
67.5°	18.1	18.1	18.5	18.1	18.5	18.5	18.5	17.7	16.5	14.9	13.8
70°	13.4	13.4	13.4	13.8	14.2	14.2	13.8	13.0	12.2	11.4	10.2
72.5°	9.0	9.4	9.4	9.4	9.8	9.8	9.4	9.0	8.7	7.9	7.5
75°	5.9	5.5	5.9	5.9	6.3	6.3	5.9	5.9	5.5	5.1	4.7
77.5°	2.8	2.8	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.8	2.8
80°	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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°	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
2.5°	90.4	89.3	87.7	83.4	79.4	75.9	73.9	73.5
5°	96.7	95.2	91.2	82.2	74.7	68.8	65.3	64.5
7.5°	103.4	100.3	94.8	80.6	70.0	62.5	58.6	57.4
10°	108.5	104.6	97.1	78.7	65.3	57.4	52.7	51.1
12.5°	112.1	107.4	99.1	76.3	61.3	51.9	47.2	45.6
15°	114.0	108.9	99.5	72.8	56.6	47.6	42.5	41.3
17.5°	114.8	108.9	98.7	70.0	52.3	43.3	38.5	37.0
20°	114.4	107.4	96.7	66.1	48.4	39.3	34.6	33.4
22.5°	112.9	105.0	93.6	62.1	44.4	35.4	31.5	30.7
25°	110.5	101.9	90.1	58.6	40.9	32.6	28.7	27.9
27.5°	106.6	97.9	85.3	54.7	37.8	29.9	26.3	25.2
30°	101.5	93.2	80.6	50.7	34.6	27.1	24.0	23.2
32.5°	96.0	87.7	75.9	46.8	31.9	25.2	22.0	21.2
35°	89.7	81.8	70.0	42.9	29.1	23.2	20.1	19.7
37.5°	83.4	75.5	64.9	39.7	26.7	21.2	18.5	18.1
40°	76.3	70.0	62.1	36.2	24.8	19.7	17.3	16.5
42.5°	72.0	63.3	53.5	33.0	22.8	18.1	15.7	15.3
45°	62.5	56.2	48.4	29.9	20.8	16.5	14.6	14.2
47.5°	56.2	50.7	43.3	26.7	19.3	15.3	13.4	13.0
50°	49.9	44.8	37.8	23.6	17.7	14.2	12.2	11.8
52.5°	43.7	38.5	32.2	20.8	15.7	13.0	11.0	10.6
55°	37.4	32.6	26.7	18.1	14.2	11.8	10.2	9.4
57.5°	30.7	26.7	22.8	16.1	12.6	10.6	9.0	8.3
60°	24.8	22.4	19.3	14.2	11.0	9.4	7.9	7.5
62.5°	20.1	18.1	16.1	12.2	9.8	8.3	7.1	5.9
65°	16.1	14.9	13.4	9.8	8.3	7.1	5.9	4.7
67.5°	12.6	11.8	10.6	8.3	6.7	5.9	4.3	3.5
70°	9.8	9.0	8.3	5.9	5.1	4.3	3.1	2.4
72.5°	7.1	6.3	5.9	4.3	3.5	3.1	2.0	1.2
75°	4.3	4.3	3.5	2.4	2.0	1.6	0.8	0.4
77.5°	2.4	2.4	2.0	1.2	1.2	0.4	0.0	0.0
80°	1.2	0.8	0.8	0.4	0.4	0.0	0.0	0.0
82.5°	0.4	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)