

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: P1306920

Luminaire Tested: LDSQA3D05R709024DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306920
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: LDSQA3D05R709024DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

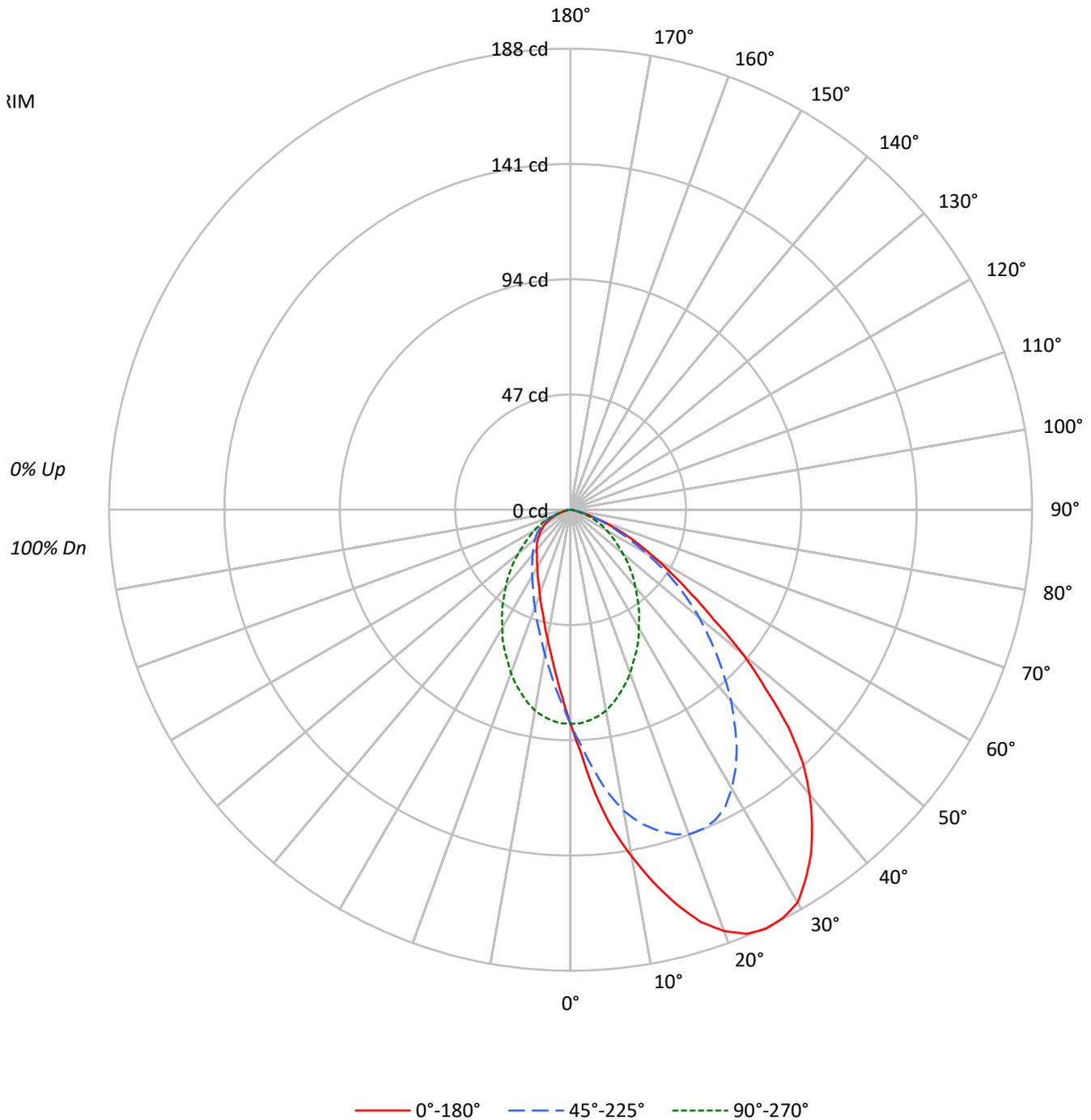
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 213.0 lumens
Efficiency: N/A
Efficacy: 29.6 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





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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	15018	15018	15018	15018	15018
5°	20106	18343	14920	12482	11652
10°	25113	21790	14550	10475	9391
15°	29687	24106	13818	8951	7774
20°	33503	25824	12994	7753	6708
25°	35820	26528	12048	6860	5948
30°	36790	26111	11037	6224	5349
35°	35931	24809	10176	5740	5004
40°	34060	22864	9218	5441	4856
45°	30567	20605	8378	5261	4725
50°	24542	18300	7422	5064	4474
55°	18106	15734	6606	5014	4354
60°	13950	12297	5924	4857	4237
65°	10595	9169	5216	4483	3749
70°	7100	6445	3978	3978	3122
75°	3793	3793	2662	2662	2329
80°	893	1785	1289	1785	2182
85°	0	790	790	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30567 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.6	4.0
10°-20°	26.1	12.3
20°-30°	40.3	18.9
30°-40°	45.7	21.5
40°-50°	41.4	19.4
50°-60°	28.9	13.6
60°-70°	15.9	7.5
70°-80°	5.3	2.5
80°-90°	0.7	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°	75.0	35.2
0°-40°	120.8	56.7
0°-60°	191.1	89.7
0°-90°	213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	213.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	87	87	87	87	87	
5°	116	106	86	72	67	12
15°	166	135	78	50	44	47
25°	188	140	63	36	31	86
35°	171	118	48	27	24	106
45°	126	85	34	22	19	95
55°	60	52	22	17	14	55
65°	26	22	13	11	9	26
75°	6	6	4	4	4	7
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°	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
2.5°	99.5	100.4	100.9	100.0	99.5	99.1	98.2	97.8	96.9	96.0	95.6
5°	116.3	116.3	116.3	115.4	114.1	113.2	111.4	110.1	107.9	106.1	104.4
7.5°	131.3	131.3	130.8	129.5	128.6	126.4	124.2	122.4	118.9	116.3	112.8
10°	143.6	143.6	143.1	140.9	139.6	137.0	134.8	131.7	128.2	124.6	120.7
12.5°	155.5	155.5	153.7	152.0	149.3	145.8	142.7	139.6	134.8	130.8	126.0
15°	166.5	166.5	165.6	162.5	159.0	155.0	150.6	146.2	140.5	135.2	129.9
17.5°	176.2	175.7	174.4	170.9	167.4	162.5	157.2	152.0	144.9	138.7	132.1
20°	182.8	182.8	181.0	177.1	173.1	167.8	162.1	155.9	148.4	140.9	133.0
22.5°	187.2	186.7	185.0	181.0	176.2	170.9	164.3	157.7	149.3	140.9	132.6
25°	188.5	188.1	186.3	181.9	177.1	171.3	164.3	157.2	148.4	139.6	130.4
27.5°	187.6	187.2	185.4	180.6	175.7	169.1	162.1	154.6	145.8	136.5	127.3
30°	185.0	183.7	181.9	177.5	172.2	165.6	158.1	149.8	140.9	131.3	122.0
32.5°	178.4	178.4	176.2	171.8	166.5	159.4	152.0	144.0	134.3	125.1	115.4
35°	170.9	170.5	168.7	163.8	159.0	152.4	144.9	136.5	127.3	118.0	108.8
37.5°	161.6	161.2	159.4	155.0	149.8	143.6	135.7	127.7	118.9	109.7	101.3
40°	151.5	150.6	148.4	144.9	140.5	133.5	126.4	118.5	110.1	101.7	93.4
42.5°	140.1	139.2	137.4	134.8	129.5	123.3	116.7	109.2	101.3	92.9	86.8
45°	125.5	125.5	124.6	122.0	118.0	113.2	106.1	99.5	92.1	84.6	78.0
47.5°	107.5	108.3	107.9	106.6	104.8	100.4	95.6	89.9	82.8	76.2	70.0
50°	91.6	92.1	92.5	91.6	90.3	87.2	84.1	80.6	74.4	68.3	62.5
52.5°	73.6	74.9	74.9	75.3	75.3	74.4	73.6	69.6	66.5	60.3	55.1
55°	60.3	60.3	60.3	61.2	61.7	62.1	61.2	60.3	56.8	52.4	47.6
57.5°	49.3	49.3	50.2	49.8	49.8	50.7	50.7	50.2	48.0	44.0	39.6
60°	40.5	40.5	40.5	40.5	41.0	41.0	41.0	41.0	39.2	35.7	32.2
62.5°	32.6	32.6	32.6	33.0	33.0	33.0	33.5	33.0	31.3	28.6	25.5
65°	26.0	25.5	26.0	26.0	26.4	26.4	26.4	26.0	24.2	22.5	20.3
67.5°	19.4	19.8	19.8	19.8	20.3	20.7	20.3	19.8	18.5	16.7	15.9
70°	14.1	14.5	14.5	14.5	15.0	15.4	15.0	14.5	13.7	12.8	11.9
72.5°	9.2	9.7	9.7	10.1	10.6	10.6	10.1	10.1	9.7	8.8	8.4
75°	5.7	5.7	6.2	6.2	6.6	6.6	6.6	6.2	6.2	5.7	5.7
77.5°	2.6	2.6	3.1	3.1	3.1	3.5	3.5	3.5	3.5	3.5	3.1
80°	0.9	0.9	0.9	0.9	0.9	1.3	1.3	1.3	1.8	1.8	1.8
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9
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°	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
2.5°	94.7	93.4	91.6	87.2	82.8	79.3	77.1	76.6
5°	102.2	100.0	96.0	86.3	78.4	72.2	68.7	67.4
7.5°	109.7	105.7	100.0	85.0	73.1	65.6	61.7	59.9
10°	115.8	111.0	103.5	83.2	68.7	59.9	55.1	53.7
12.5°	120.7	115.0	105.7	80.6	64.3	54.6	49.8	48.4
15°	123.8	117.6	107.0	77.5	59.9	50.2	45.4	43.6
17.5°	125.1	117.6	106.6	74.4	55.9	46.2	41.4	40.1
20°	125.1	116.7	105.3	70.9	52.0	42.3	37.9	36.6
22.5°	123.8	115.0	102.2	66.9	48.4	39.2	34.8	33.5
25°	121.1	111.4	98.7	63.4	44.9	36.1	32.2	31.3
27.5°	117.2	107.5	94.3	59.9	41.8	33.5	30.0	29.1
30°	112.3	102.6	89.4	55.5	38.8	31.3	28.2	26.9
32.5°	106.1	96.9	84.1	52.0	36.1	29.1	26.4	25.5
35°	99.5	91.2	78.4	48.4	33.5	27.3	24.7	23.8
37.5°	92.9	84.1	73.6	44.5	31.3	25.5	23.3	22.5
40°	85.9	79.3	68.3	41.0	29.5	24.2	22.0	21.6
42.5°	78.8	71.8	60.8	37.9	27.3	22.5	20.7	20.3
45°	70.5	63.9	55.1	34.4	25.5	21.6	19.8	19.4
47.5°	63.4	57.3	49.3	31.3	23.8	20.3	18.5	18.1
50°	56.8	50.7	43.2	27.7	22.0	18.9	17.6	16.7
52.5°	49.3	44.0	37.4	24.7	20.3	17.6	16.3	15.9
55°	42.7	37.4	31.3	22.0	18.5	16.7	15.0	14.5
57.5°	35.2	30.8	26.4	19.4	16.7	15.0	14.1	13.2
60°	28.6	25.5	22.5	17.2	15.0	14.1	12.8	12.3
62.5°	23.3	21.1	18.9	15.0	13.2	12.3	11.5	10.6
65°	18.5	17.2	15.4	12.8	11.5	11.0	10.1	9.2
67.5°	14.5	13.7	12.3	10.1	9.7	9.2	8.4	7.5
70°	11.0	10.6	9.7	7.9	7.5	7.9	7.0	6.2
72.5°	7.9	7.5	7.0	5.7	5.7	5.7	5.3	4.4
75°	5.3	4.8	4.4	4.0	4.0	4.0	4.0	3.5
77.5°	3.1	3.1	2.6	2.2	2.6	2.6	3.1	3.1
80°	1.3	1.3	1.3	1.3	1.8	1.8	2.2	2.2
82.5°	0.9	0.9	0.9	0.9	1.3	1.3	1.3	1.3
85°	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9
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)