

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: P1311244

Luminaire Tested: LDSQA3D05R709040DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311244
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: LDSQA3D05R709040DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

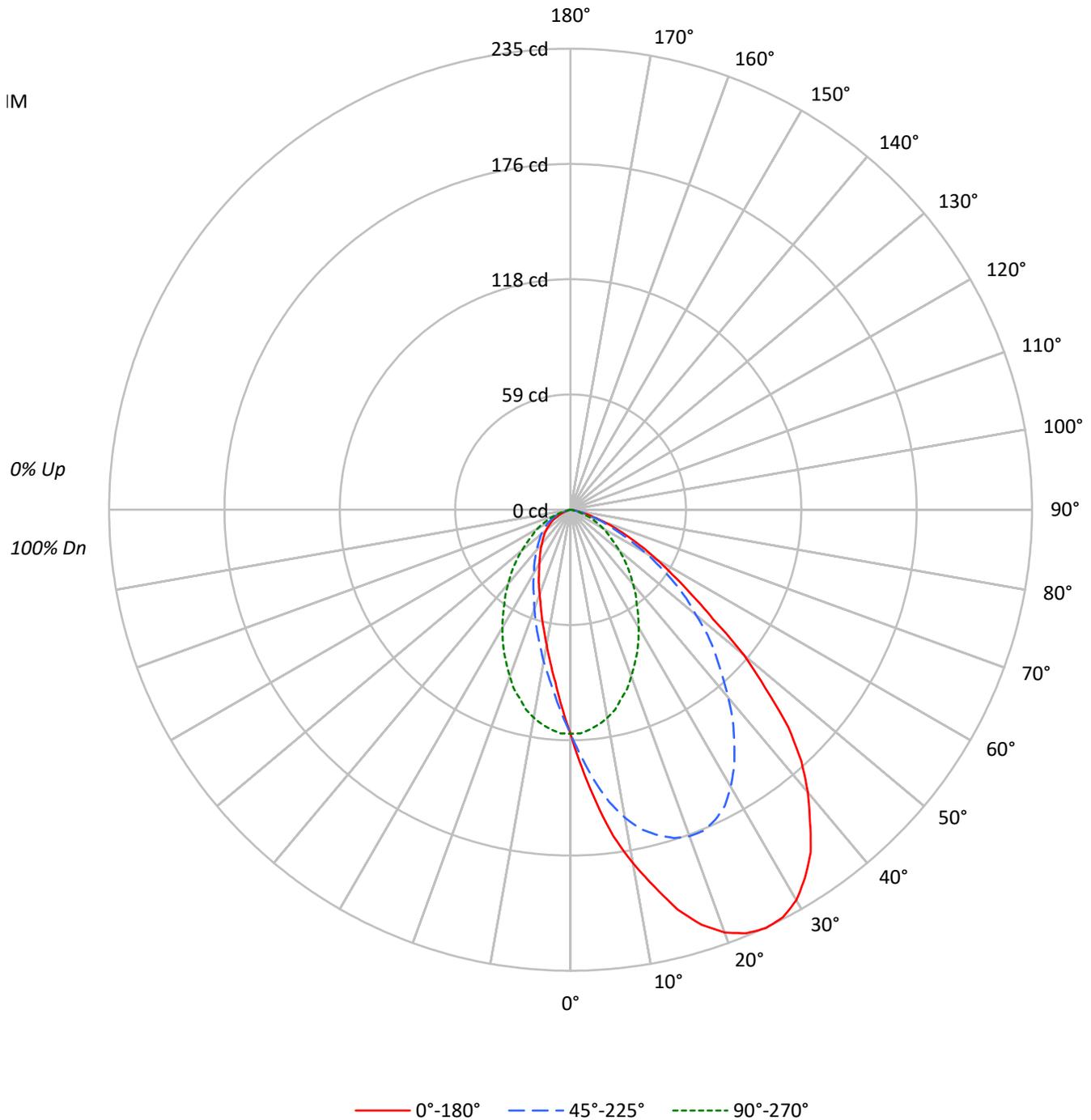
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 256.0 lumens
Efficiency: N/A
Efficacy: 35.6 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	100	100	100	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89	89	89	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	77	77	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67	67	67	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59	59	59	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	52	52	52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46	46	46	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42	42	42	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38	38	38	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34	34	34	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	19651	19651	19651	19651	19651
5°	25880	23927	19449	16285	15265
10°	32003	27876	18835	13746	12242
15°	37621	30614	17758	11607	10074
20°	42025	32458	16568	9860	8394
25°	44713	33141	15240	8494	7259
30°	45719	32435	13801	7378	6324
35°	44824	30570	12341	6686	5656
40°	42244	28080	11129	6048	5081
45°	38166	25428	9962	5504	4725
50°	30866	22345	8654	5198	4340
55°	22460	19247	7446	4864	3873
60°	17429	15190	6682	4443	3513
65°	13163	10962	5501	3953	2649
70°	9215	7855	4079	2971	1611
75°	5390	4658	2129	1464	333
80°	1091	1587	496	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 38166 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.2	4.4
10°-20°	33.3	13.0
20°-30°	50.1	19.6
30°-40°	55.7	21.8
40°-50°	49.4	19.3
50°-60°	33.5	13.1
60°-70°	17.6	6.9
70°-80°	5.0	1.9
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°	94.6	36.9
0°-40°	150.3	58.7
0°-60°	233.3	91.1
0°-90°	256.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	256.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	114	114	114	114	114	
5°	150	138	112	94	88	15
15°	211	172	100	65	56	60
25°	235	174	80	45	38	108
35°	213	145	59	32	27	132
45°	157	104	41	23	19	119
55°	75	64	25	16	13	69
65°	32	27	14	10	6	33
75°	8	7	3	2	0	9
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°	114.1	114.1	114.1	114.1	114.1	114.1	114.1	114.1	114.1	114.1	114.1
2.5°	131.4	130.8	130.3	130.3	129.7	129.2	128.1	128.1	127.1	126.0	124.9
5°	149.7	149.7	149.7	148.1	148.1	145.9	144.8	142.7	140.5	138.4	135.7
7.5°	168.0	168.0	166.4	165.8	164.2	162.0	160.4	157.2	153.4	150.2	145.9
10°	183.0	183.0	181.4	180.4	177.1	175.0	171.7	168.0	164.2	159.4	154.0
12.5°	196.5	197.0	194.9	192.7	189.5	186.3	182.0	177.1	172.3	166.9	159.9
15°	211.0	210.5	207.8	205.1	201.3	196.5	191.1	184.7	178.2	171.7	164.2
17.5°	221.8	221.3	218.6	215.3	210.5	204.6	198.7	191.1	183.6	175.5	166.4
20°	229.3	228.8	226.1	221.8	217.0	210.5	203.5	194.9	186.8	177.1	166.9
22.5°	233.7	233.1	229.9	226.1	220.2	213.2	205.7	196.5	187.4	177.1	165.8
25°	235.3	234.2	231.0	226.7	220.7	213.2	204.6	194.9	185.2	174.4	162.6
27.5°	234.2	233.1	229.3	224.5	218.0	209.4	200.8	191.1	180.9	170.1	157.7
30°	229.9	228.3	225.0	220.2	213.2	204.6	195.4	185.2	174.4	163.1	150.7
32.5°	222.3	221.3	218.0	212.7	205.7	197.0	187.9	177.1	166.4	155.0	142.7
35°	213.2	211.0	207.8	203.0	196.0	187.4	178.2	166.9	156.7	145.4	133.5
37.5°	200.3	199.7	196.0	192.2	185.2	176.0	167.4	156.7	146.4	135.7	123.8
40°	187.9	186.8	183.6	179.3	172.3	164.2	155.0	145.4	135.1	124.9	114.1
42.5°	173.9	172.3	170.1	165.8	159.4	151.3	142.7	133.0	123.8	114.1	104.4
45°	156.7	156.1	153.4	151.3	145.4	138.4	129.7	121.1	112.0	104.4	96.9
47.5°	134.6	134.1	133.5	131.9	128.7	123.8	117.4	109.3	102.3	94.8	84.5
50°	115.2	114.7	113.6	113.1	110.4	107.7	102.8	98.0	92.1	83.4	75.4
52.5°	91.5	92.1	93.7	94.2	93.7	91.5	89.4	87.8	79.7	74.3	66.8
55°	74.8	74.8	74.3	74.8	75.4	76.4	76.4	74.3	68.9	64.1	57.6
57.5°	61.4	61.4	61.4	61.4	61.4	61.9	61.9	61.4	58.7	53.8	47.9
60°	50.6	50.1	50.1	50.6	50.1	50.1	50.6	50.6	47.9	44.1	38.8
62.5°	40.9	40.9	40.9	40.4	40.4	40.9	40.9	40.4	38.2	34.5	30.7
65°	32.3	32.3	32.3	32.3	32.3	32.8	32.3	31.8	29.6	26.9	24.2
67.5°	24.8	24.8	25.3	24.8	25.3	25.3	25.3	24.2	22.6	20.5	18.8
70°	18.3	18.3	18.3	18.8	19.4	19.4	18.8	17.8	16.7	15.6	14.0
72.5°	12.4	12.9	12.9	12.9	13.5	13.5	12.9	12.4	11.8	10.8	10.2
75°	8.1	7.5	8.1	8.1	8.6	8.6	8.1	8.1	7.5	7.0	6.5
77.5°	3.8	3.8	4.3	4.3	4.3	4.3	4.3	4.3	4.3	3.8	3.8
80°	1.1	1.1	1.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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°	114.1	114.1	114.1	114.1	114.1	114.1	114.1	114.1
2.5°	123.8	122.2	120.1	114.1	108.7	103.9	101.2	100.7
5°	132.4	130.3	124.9	112.5	102.3	94.2	89.4	88.3
7.5°	141.6	137.3	129.7	110.4	95.8	85.6	80.2	78.6
10°	148.6	143.2	133.0	107.7	89.4	78.6	72.1	70.0
12.5°	153.4	147.0	135.7	104.4	84.0	71.1	64.6	62.5
15°	156.1	149.1	136.2	99.6	77.5	65.1	58.1	56.5
17.5°	157.2	149.1	135.1	95.8	71.6	59.2	52.8	50.6
20°	156.7	147.0	132.4	90.4	66.2	53.8	47.4	45.8
22.5°	154.5	143.7	128.1	85.1	60.8	48.5	43.1	42.0
25°	151.3	139.4	123.3	80.2	56.0	44.7	39.3	38.2
27.5°	145.9	134.1	116.8	74.8	51.7	40.9	36.1	34.5
30°	138.9	127.6	110.4	69.4	47.4	37.1	32.8	31.8
32.5°	131.4	120.1	103.9	64.1	43.6	34.5	30.1	29.1
35°	122.7	112.0	95.8	58.7	39.8	31.8	27.5	26.9
37.5°	114.1	103.4	88.8	54.4	36.6	29.1	25.3	24.8
40°	104.4	95.8	85.1	49.5	33.9	26.9	23.7	22.6
42.5°	98.5	86.7	73.2	45.2	31.2	24.8	21.5	21.0
45°	85.6	77.0	66.2	40.9	28.5	22.6	19.9	19.4
47.5°	77.0	69.4	59.2	36.6	26.4	21.0	18.3	17.8
50°	68.4	61.4	51.7	32.3	24.2	19.4	16.7	16.2
52.5°	59.8	52.8	44.1	28.5	21.5	17.8	15.1	14.5
55°	51.1	44.7	36.6	24.8	19.4	16.2	14.0	12.9
57.5°	42.0	36.6	31.2	22.1	17.2	14.5	12.4	11.3
60°	33.9	30.7	26.4	19.4	15.1	12.9	10.8	10.2
62.5°	27.5	24.8	22.1	16.7	13.5	11.3	9.7	8.1
65°	22.1	20.5	18.3	13.5	11.3	9.7	8.1	6.5
67.5°	17.2	16.2	14.5	11.3	9.2	8.1	5.9	4.8
70°	13.5	12.4	11.3	8.1	7.0	5.9	4.3	3.2
72.5°	9.7	8.6	8.1	5.9	4.8	4.3	2.7	1.6
75°	5.9	5.9	4.8	3.2	2.7	2.2	1.1	0.5
77.5°	3.2	3.2	2.7	1.6	1.6	0.5	0.0	0.0
80°	1.6	1.1	1.1	0.5	0.5	0.0	0.0	0.0
82.5°	0.5	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)