

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: P1317421

Luminaire Tested: LDSQA3D09R709827DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317421
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: LDSQA3D09R709827DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

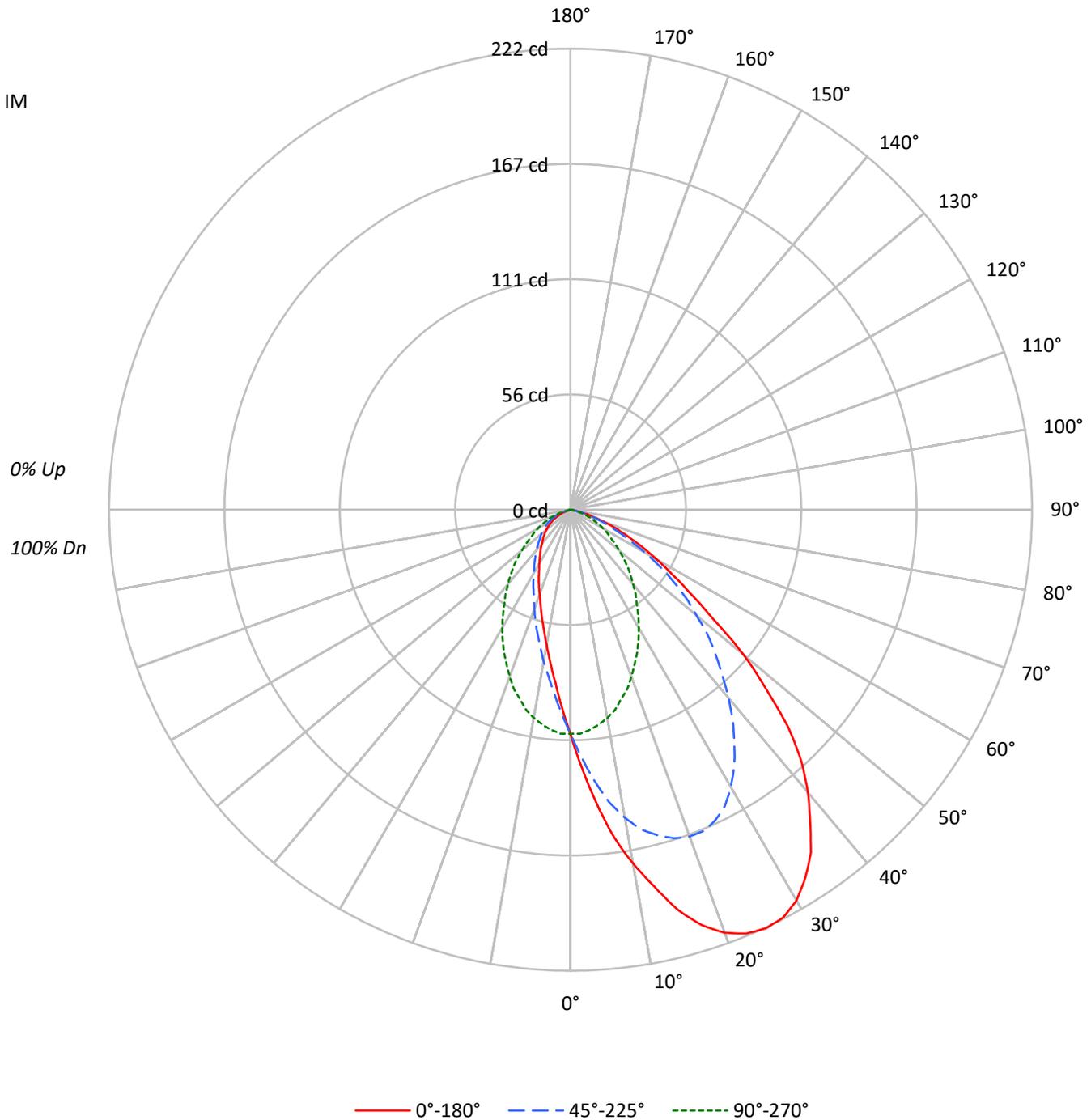
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 242.0 lumens
Efficiency: N/A
Efficacy: 22.0 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): 11
Input Voltage (V): NR
Input Current (A_{in}): 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	100	100	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89	89	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	77	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67	67	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59	59	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	52	52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46	46	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42	42	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38	38	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34	34	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	18583	18583	18583	18583	18583
5°	24463	22613	18394	15404	14436
10°	30254	26337	17803	12994	11577
15°	35570	28938	16796	10983	9521
20°	39734	30680	15670	9329	7936
25°	42262	31335	14404	8019	6860
30°	43213	30665	13065	6980	5966
35°	42364	28888	11669	6307	5340
40°	39928	26551	10522	5710	4811
45°	36071	24039	9426	5212	4457
50°	29178	21140	8172	4903	4099
55°	21228	18196	7026	4594	3663
60°	16464	14363	6303	4202	3341
65°	12429	10351	5175	3749	2486
70°	8711	7452	3827	2820	1561
75°	5057	4392	2063	1331	333
80°	992	1488	496	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 36071 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	4.4
10°-20°	31.5	13.0
20°-30°	47.4	19.6
30°-40°	52.7	21.8
40°-50°	46.7	19.3
50°-60°	31.7	13.1
60°-70°	16.6	6.9
70°-80°	4.7	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°	89.4	36.9
0°-40°	142.1	58.7
0°-60°	220.5	91.1
0°-90°	242.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	242.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	108	108	108	108	108	
5°	142	131	106	89	84	14
15°	200	162	94	62	53	57
25°	222	165	76	42	36	102
35°	202	137	56	30	25	125
45°	148	99	39	21	18	112
55°	71	61	23	15	12	65
65°	30	25	13	9	6	31
75°	8	7	3	2	0	8
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°	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9
2.5°	124.2	123.7	123.2	123.2	122.7	122.1	121.1	121.1	120.1	119.1	118.1
5°	141.5	141.5	141.5	140.0	140.0	137.9	136.9	134.9	132.8	130.8	128.2
7.5°	158.8	158.8	157.3	156.7	155.2	153.2	151.7	148.6	145.0	142.0	137.9
10°	173.0	173.0	171.5	170.5	167.4	165.4	162.3	158.8	155.2	150.6	145.6
12.5°	185.8	186.3	184.2	182.2	179.1	176.1	172.0	167.4	162.9	157.8	151.2
15°	199.5	199.0	196.4	193.9	190.3	185.8	180.7	174.6	168.5	162.3	155.2
17.5°	209.7	209.2	206.6	203.6	199.0	193.4	187.8	180.7	173.5	165.9	157.3
20°	216.8	216.3	213.7	209.7	205.1	199.0	192.4	184.2	176.6	167.4	157.8
22.5°	220.9	220.4	217.3	213.7	208.1	201.5	194.4	185.8	177.1	167.4	156.7
25°	222.4	221.4	218.3	214.3	208.7	201.5	193.4	184.2	175.1	164.9	153.7
27.5°	221.4	220.4	216.8	212.2	206.1	198.0	189.8	180.7	171.0	160.8	149.1
30°	217.3	215.8	212.7	208.1	201.5	193.4	184.7	175.1	164.9	154.2	142.5
32.5°	210.2	209.2	206.1	201.0	194.4	186.3	177.6	167.4	157.3	146.6	134.9
35°	201.5	199.5	196.4	191.9	185.2	177.1	168.5	157.8	148.1	137.4	126.2
37.5°	189.3	188.8	185.2	181.7	175.1	166.4	158.3	148.1	138.4	128.2	117.1
40°	177.6	176.6	173.5	169.5	162.9	155.2	146.6	137.4	127.7	118.1	107.9
42.5°	164.4	162.9	160.8	156.7	150.6	143.0	134.9	125.7	117.1	107.9	98.7
45°	148.1	147.6	145.0	143.0	137.4	130.8	122.7	114.5	105.9	98.7	91.6
47.5°	127.2	126.7	126.2	124.7	121.6	117.1	110.9	103.3	96.7	89.6	79.9
50°	108.9	108.4	107.4	106.9	104.3	101.8	97.2	92.6	87.0	78.9	71.2
52.5°	86.5	87.0	88.6	89.1	88.6	86.5	84.5	83.0	75.3	70.2	63.1
55°	70.7	70.7	70.2	70.7	71.2	72.3	72.3	70.2	65.1	60.6	54.5
57.5°	58.0	58.0	58.0	58.0	58.0	58.5	58.5	58.0	55.5	50.9	45.3
60°	47.8	47.3	47.3	47.8	47.3	47.3	47.8	47.8	45.3	41.7	36.6
62.5°	38.7	38.7	38.7	38.2	38.2	38.7	38.7	38.2	36.1	32.6	29.0
65°	30.5	30.5	30.5	30.5	30.5	31.0	30.5	30.0	28.0	25.4	22.9
67.5°	23.4	23.4	23.9	23.4	23.9	23.9	23.9	22.9	21.4	19.3	17.8
70°	17.3	17.3	17.3	17.8	18.3	18.3	17.8	16.8	15.8	14.8	13.2
72.5°	11.7	12.2	12.2	12.2	12.7	12.7	12.2	11.7	11.2	10.2	9.7
75°	7.6	7.1	7.6	7.6	8.1	8.1	7.6	7.6	7.1	6.6	6.1
77.5°	3.6	3.6	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.6	3.6
80°	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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°	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9
2.5°	117.1	115.5	113.5	107.9	102.8	98.2	95.7	95.2
5°	125.2	123.2	118.1	106.4	96.7	89.1	84.5	83.5
7.5°	133.8	129.8	122.7	104.3	90.6	80.9	75.8	74.3
10°	140.5	135.4	125.7	101.8	84.5	74.3	68.2	66.2
12.5°	145.0	138.9	128.2	98.7	79.4	67.2	61.1	59.0
15°	147.6	141.0	128.8	94.2	73.3	61.6	55.0	53.4
17.5°	148.6	141.0	127.7	90.6	67.7	56.0	49.9	47.8
20°	148.1	138.9	125.2	85.5	62.6	50.9	44.8	43.3
22.5°	146.1	135.9	121.1	80.4	57.5	45.8	40.7	39.7
25°	143.0	131.8	116.5	75.8	52.9	42.2	37.2	36.1
27.5°	137.9	126.7	110.4	70.7	48.9	38.7	34.1	32.6
30°	131.3	120.6	104.3	65.7	44.8	35.1	31.0	30.0
32.5°	124.2	113.5	98.2	60.6	41.2	32.6	28.5	27.5
35°	116.0	105.9	90.6	55.5	37.7	30.0	26.0	25.4
37.5°	107.9	97.7	84.0	51.4	34.6	27.5	23.9	23.4
40°	98.7	90.6	80.4	46.8	32.1	25.4	22.4	21.4
42.5°	93.1	81.9	69.2	42.7	29.5	23.4	20.4	19.8
45°	80.9	72.8	62.6	38.7	27.0	21.4	18.8	18.3
47.5°	72.8	65.7	56.0	34.6	24.9	19.8	17.3	16.8
50°	64.6	58.0	48.9	30.5	22.9	18.3	15.8	15.3
52.5°	56.5	49.9	41.7	27.0	20.4	16.8	14.2	13.7
55°	48.3	42.2	34.6	23.4	18.3	15.3	13.2	12.2
57.5°	39.7	34.6	29.5	20.9	16.3	13.7	11.7	10.7
60°	32.1	29.0	24.9	18.3	14.2	12.2	10.2	9.7
62.5°	26.0	23.4	20.9	15.8	12.7	10.7	9.2	7.6
65°	20.9	19.3	17.3	12.7	10.7	9.2	7.6	6.1
67.5°	16.3	15.3	13.7	10.7	8.7	7.6	5.6	4.6
70°	12.7	11.7	10.7	7.6	6.6	5.6	4.1	3.1
72.5°	9.2	8.1	7.6	5.6	4.6	4.1	2.5	1.5
75°	5.6	5.6	4.6	3.1	2.5	2.0	1.0	0.5
77.5°	3.1	3.1	2.5	1.5	1.5	0.5	0.0	0.0
80°	1.5	1.0	1.0	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)