

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: P1312478

Luminaire Tested: LDSQA3D09R709050DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312478
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: LDSQA3D09R709050DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

Summary

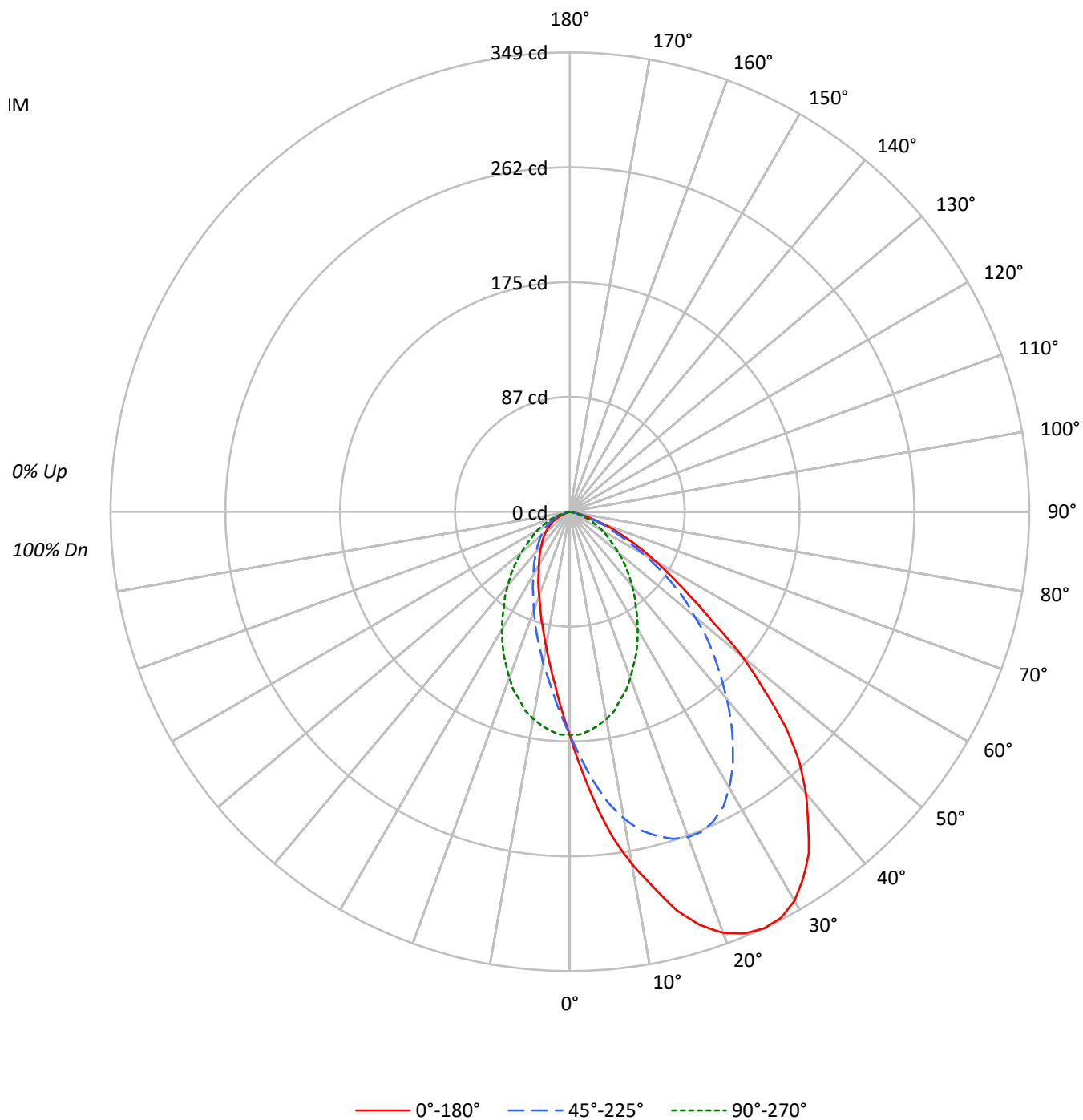
Lumens per Lamp: N/A
Luminaire Lumens: 380.0 lumens
Efficiency: N/A
Efficacy: 34.2 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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
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		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77		
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67		
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59		
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52		
6	75	63	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46		
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42		
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38		
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34		
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	29175	29175	29175	29175	29175
5°	38414	35510	28871	24169	22665
10°	47515	41359	27946	20408	18170
15°	55861	45448	26352	17241	14959
20°	62387	48183	24614	14644	12444
25°	66357	49198	22632	12599	10775
30°	67853	48145	20503	10957	9367
35°	66543	45371	18312	9903	8410
40°	62702	41682	16524	8993	7554
45°	56628	37752	14784	8184	7015
50°	45816	33197	12834	7716	6430
55°	33359	28555	11050	7206	5765
60°	25868	22561	9920	6613	5236
65°	19520	16301	8150	5868	3912
70°	13696	11682	6043	4431	2417
75°	7985	6920	3194	2129	532
80°	1587	2380	793	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 56628 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	4.4
10°-20°	49.4	13.0
20°-30°	74.4	19.6
30°-40°	82.7	21.8
40°-50°	73.3	19.3
50°-60°	49.8	13.1
60°-70°	26.1	6.9
70°-80°	7.4	2.0
80°-90°	0.2	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°	140.4	36.9
0°-40°	223.1	58.7
0°-60°	346.3	91.1
0°-90°	380.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	380.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	169	169	169	169	169	
5°	222	205	167	140	131	23
15°	313	255	148	97	84	89
25°	349	259	119	66	57	160
35°	316	216	87	47	40	196
45°	232	155	61	34	29	176
55°	111	95	37	24	19	103
65°	48	40	20	14	10	48
75°	12	10	5	3	1	13
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°	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4
2.5°	195.0	194.2	193.4	193.4	192.6	191.8	190.2	190.2	188.6	187.0	185.4
5°	222.2	222.2	222.2	219.8	219.8	216.6	215.0	211.8	208.6	205.4	201.4
7.5°	249.3	249.3	246.9	246.1	243.7	240.5	238.1	233.3	227.8	223.0	216.6
10°	271.7	271.7	269.3	267.7	262.9	259.7	254.9	249.3	243.7	236.5	228.6
12.5°	291.7	292.5	289.3	286.1	281.3	276.5	270.1	262.9	255.7	247.7	237.3
15°	313.3	312.5	308.5	304.5	298.9	291.7	283.7	274.1	264.5	254.9	243.7
17.5°	329.2	328.4	324.4	319.7	312.5	303.7	294.9	283.7	272.5	260.5	246.9
20°	340.4	339.6	335.6	329.2	322.1	312.5	302.1	289.3	277.3	262.9	247.7
22.5°	346.8	346.0	341.2	335.6	326.8	316.5	305.3	291.7	278.1	262.9	246.1
25°	349.2	347.6	342.8	336.4	327.6	316.5	303.7	289.3	274.9	258.9	241.3
27.5°	347.6	346.0	340.4	333.2	323.6	310.9	298.1	283.7	268.5	252.5	234.1
30°	341.2	338.8	334.0	326.8	316.5	303.7	290.1	274.9	258.9	242.1	223.8
32.5°	330.0	328.4	323.6	315.7	305.3	292.5	278.9	262.9	246.9	230.2	211.8
35°	316.5	313.3	308.5	301.3	290.9	278.1	264.5	247.7	232.5	215.8	198.2
37.5°	297.3	296.5	290.9	285.3	274.9	261.3	248.5	232.5	217.4	201.4	183.8
40°	278.9	277.3	272.5	266.1	255.7	243.7	230.2	215.8	200.6	185.4	169.4
42.5°	258.1	255.7	252.5	246.1	236.5	224.6	211.8	197.4	183.8	169.4	155.0
45°	232.5	231.7	227.8	224.6	215.8	205.4	192.6	179.8	166.2	155.0	143.8
47.5°	199.8	199.0	198.2	195.8	191.0	183.8	174.2	162.2	151.8	140.6	125.5
50°	171.0	170.2	168.6	167.8	163.8	159.8	152.6	145.4	136.7	123.9	111.9
52.5°	135.9	136.7	139.0	139.8	139.0	135.9	132.7	130.3	118.3	110.3	99.1
55°	111.1	111.1	110.3	111.1	111.9	113.5	113.5	110.3	102.3	95.1	85.5
57.5°	91.1	91.1	91.1	91.1	91.1	91.9	91.9	91.1	87.1	79.9	71.1
60°	75.1	74.3	74.3	75.1	74.3	74.3	75.1	75.1	71.1	65.5	57.5
62.5°	60.7	60.7	60.7	59.9	59.9	60.7	60.7	59.9	56.7	51.1	45.6
65°	47.9	47.9	47.9	47.9	47.9	48.7	47.9	47.1	44.0	40.0	36.0
67.5°	36.8	36.8	37.6	36.8	37.6	37.6	37.6	36.0	33.6	30.4	28.0
70°	27.2	27.2	27.2	28.0	28.8	28.8	28.0	26.4	24.8	23.2	20.8
72.5°	18.4	19.2	19.2	19.2	20.0	20.0	19.2	18.4	17.6	16.0	15.2
75°	12.0	11.2	12.0	12.0	12.8	12.8	12.0	12.0	11.2	10.4	9.6
77.5°	5.6	5.6	6.4	6.4	6.4	6.4	6.4	6.4	6.4	5.6	5.6
80°	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
82.5°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4
2.5°	183.8	181.4	178.2	169.4	161.4	154.2	150.2	149.4
5°	196.6	193.4	185.4	167.0	151.8	139.8	132.7	131.1
7.5°	210.2	203.8	192.6	163.8	142.2	127.1	119.1	116.7
10°	220.6	212.6	197.4	159.8	132.7	116.7	107.1	103.9
12.5°	227.8	218.2	201.4	155.0	124.7	105.5	95.9	92.7
15°	231.7	221.4	202.2	147.8	115.1	96.7	86.3	83.9
17.5°	233.3	221.4	200.6	142.2	106.3	87.9	78.3	75.1
20°	232.5	218.2	196.6	134.3	98.3	79.9	70.3	67.9
22.5°	229.4	213.4	190.2	126.3	90.3	71.9	63.9	62.3
25°	224.6	207.0	183.0	119.1	83.1	66.3	58.3	56.7
27.5°	216.6	199.0	173.4	111.1	76.7	60.7	53.5	51.1
30°	206.2	189.4	163.8	103.1	70.3	55.1	48.7	47.1
32.5°	195.0	178.2	154.2	95.1	64.7	51.1	44.8	43.2
35°	182.2	166.2	142.2	87.1	59.1	47.1	40.8	40.0
37.5°	169.4	153.4	131.9	80.7	54.3	43.2	37.6	36.8
40°	155.0	142.2	126.3	73.5	50.3	40.0	35.2	33.6
42.5°	146.2	128.7	108.7	67.1	46.3	36.8	32.0	31.2
45°	127.1	114.3	98.3	60.7	42.4	33.6	29.6	28.8
47.5°	114.3	103.1	87.9	54.3	39.2	31.2	27.2	26.4
50°	101.5	91.1	76.7	47.9	36.0	28.8	24.8	24.0
52.5°	88.7	78.3	65.5	42.4	32.0	26.4	22.4	21.6
55°	75.9	66.3	54.3	36.8	28.8	24.0	20.8	19.2
57.5°	62.3	54.3	46.3	32.8	25.6	21.6	18.4	16.8
60°	50.3	45.6	39.2	28.8	22.4	19.2	16.0	15.2
62.5°	40.8	36.8	32.8	24.8	20.0	16.8	14.4	12.0
65°	32.8	30.4	27.2	20.0	16.8	14.4	12.0	9.6
67.5°	25.6	24.0	21.6	16.8	13.6	12.0	8.8	7.2
70°	20.0	18.4	16.8	12.0	10.4	8.8	6.4	4.8
72.5°	14.4	12.8	12.0	8.8	7.2	6.4	4.0	2.4
75°	8.8	8.8	7.2	4.8	4.0	3.2	1.6	0.8
77.5°	4.8	4.8	4.0	2.4	2.4	0.8	0.0	0.0
80°	2.4	1.6	1.6	0.8	0.8	0.0	0.0	0.0
82.5°	0.8	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)