

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: P1313597

Luminaire Tested: LDSQA3D09R709727DE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313597
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: LDSQA3D09R709727DE010 3LSQCLSWWR 1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , 3LSQCLSWWR 1MMS T
Light Source: -
Ballast/Driver: -

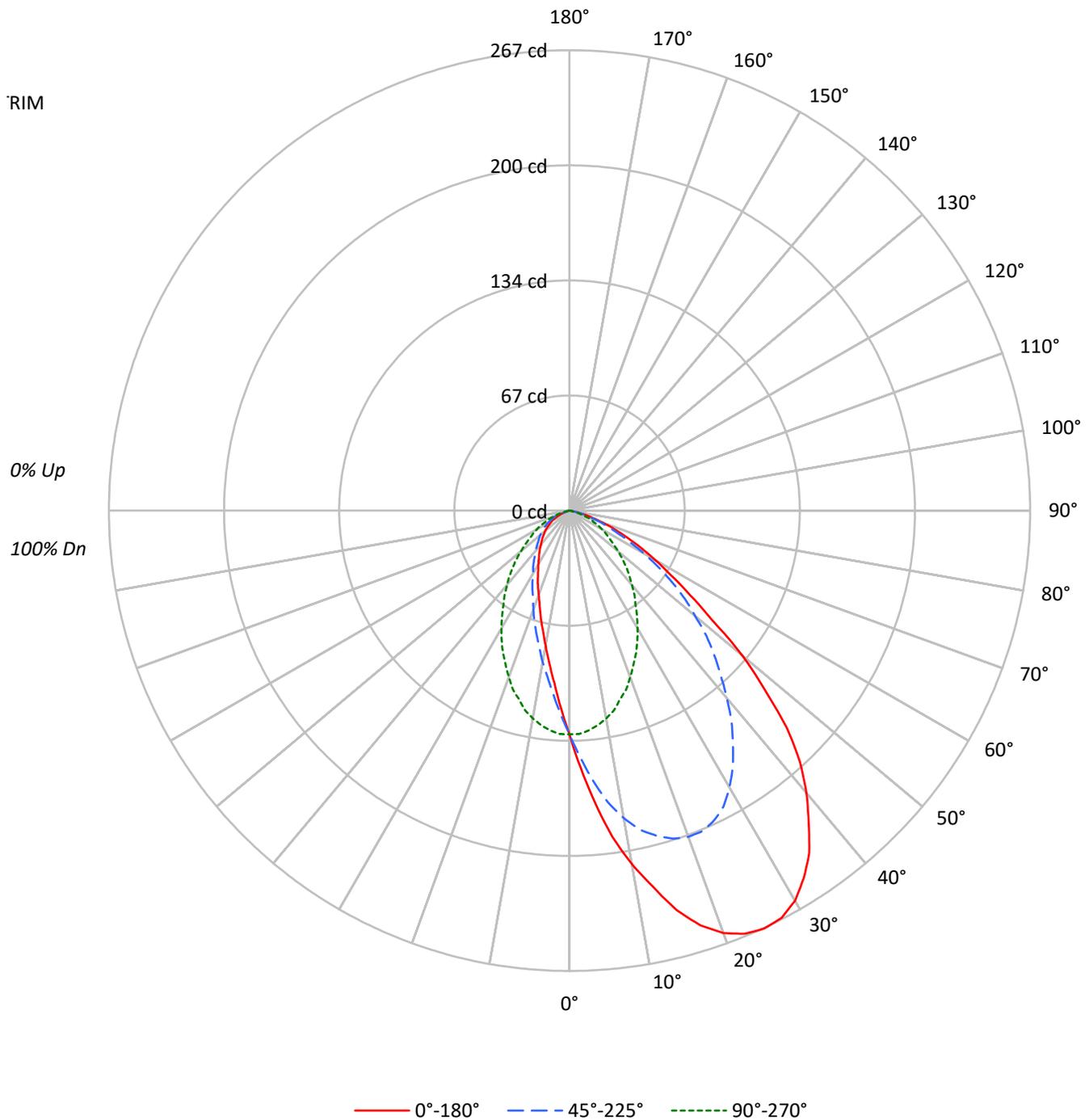
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 291.0 lumens
Efficiency: N/A
Efficacy: 26.2 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			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	64	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°	22337	22337	22337	22337	22337
5°	29407	27194	22111	18516	17357
10°	36392	31671	21405	15617	13920
15°	42774	34804	20183	13194	11465
20°	47780	36893	18841	11216	9530
25°	50813	37682	17330	9653	8247
30°	51964	36870	15690	8392	7179
35°	50942	34732	14023	7590	6433
40°	48022	31925	12657	6880	5778
45°	43378	28911	11326	6259	5358
50°	35099	25427	9833	5894	4930
55°	25552	21859	8467	5525	4414
60°	19806	17291	7578	5063	3996
65°	14956	12470	6235	4483	2975
70°	10474	8913	4633	3374	1863
75°	6122	5323	2462	1597	399
80°	1190	1785	595	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 43378 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.7	4.4
10°-20°	37.8	13.0
20°-30°	57.0	19.6
30°-40°	63.4	21.8
40°-50°	56.2	19.3
50°-60°	38.1	13.1
60°-70°	20.0	6.9
70°-80°	5.7	1.9
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°	107.5	36.9
0°-40°	170.9	58.7
0°-60°	265.2	91.1
0°-90°	291.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	291.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	130	130	130	130	130	
5°	170	157	128	107	100	17
15°	240	195	113	74	64	68
25°	267	198	91	51	43	123
35°	242	165	67	36	31	150
45°	178	119	46	26	22	135
55°	85	73	28	18	15	79
65°	37	31	15	11	7	37
75°	9	8	4	2	1	10
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°	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.7
2.5°	149.3	148.7	148.1	148.1	147.5	146.9	145.6	145.6	144.4	143.2	142.0
5°	170.1	170.1	170.1	168.3	168.3	165.8	164.6	162.2	159.7	157.3	154.2
7.5°	190.9	190.9	189.1	188.5	186.7	184.2	182.4	178.7	174.4	170.7	165.8
10°	208.1	208.1	206.2	205.0	201.3	198.9	195.2	190.9	186.7	181.1	175.0
12.5°	223.4	224.0	221.5	219.1	215.4	211.7	206.8	201.3	195.8	189.7	181.8
15°	239.9	239.3	236.2	233.2	228.9	223.4	217.2	209.9	202.6	195.2	186.7
17.5°	252.1	251.5	248.5	244.8	239.3	232.5	225.8	217.2	208.7	199.5	189.1
20°	260.7	260.1	257.0	252.1	246.6	239.3	231.3	221.5	212.4	201.3	189.7
22.5°	265.6	265.0	261.3	257.0	250.3	242.3	233.8	223.4	213.0	201.3	188.5
25°	267.4	266.2	262.5	257.6	250.9	242.3	232.5	221.5	210.5	198.3	184.8
27.5°	266.2	265.0	260.7	255.2	247.8	238.1	228.3	217.2	205.6	193.4	179.3
30°	261.3	259.5	255.8	250.3	242.3	232.5	222.1	210.5	198.3	185.4	171.4
32.5°	252.7	251.5	247.8	241.7	233.8	224.0	213.6	201.3	189.1	176.2	162.2
35°	242.3	239.9	236.2	230.7	222.8	213.0	202.6	189.7	178.1	165.2	151.8
37.5°	227.7	227.0	222.8	218.5	210.5	200.1	190.3	178.1	166.5	154.2	140.8
40°	213.6	212.4	208.7	203.8	195.8	186.7	176.2	165.2	153.6	142.0	129.7
42.5°	197.7	195.8	193.4	188.5	181.1	172.0	162.2	151.2	140.8	129.7	118.7
45°	178.1	177.5	174.4	172.0	165.2	157.3	147.5	137.7	127.3	118.7	110.2
47.5°	153.0	152.4	151.8	149.9	146.3	140.8	133.4	124.2	116.3	107.7	96.1
50°	131.0	130.3	129.1	128.5	125.5	122.4	116.9	111.4	104.6	94.9	85.7
52.5°	104.0	104.6	106.5	107.1	106.5	104.0	101.6	99.8	90.6	84.5	75.9
55°	85.1	85.1	84.5	85.1	85.7	86.9	86.9	84.5	78.3	72.8	65.5
57.5°	69.8	69.8	69.8	69.8	69.8	70.4	70.4	69.8	66.7	61.2	54.5
60°	57.5	56.9	56.9	57.5	56.9	56.9	57.5	57.5	54.5	50.2	44.1
62.5°	46.5	46.5	46.5	45.9	45.9	46.5	46.5	45.9	43.4	39.2	34.9
65°	36.7	36.7	36.7	36.7	36.7	37.3	36.7	36.1	33.7	30.6	27.5
67.5°	28.2	28.2	28.8	28.2	28.8	28.8	28.8	27.5	25.7	23.3	21.4
70°	20.8	20.8	20.8	21.4	22.0	22.0	21.4	20.2	19.0	17.7	15.9
72.5°	14.1	14.7	14.7	14.7	15.3	15.3	14.7	14.1	13.5	12.2	11.6
75°	9.2	8.6	9.2	9.2	9.8	9.8	9.2	9.2	8.6	8.0	7.3
77.5°	4.3	4.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.3	4.3
80°	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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°	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.7
2.5°	140.8	138.9	136.5	129.7	123.6	118.1	115.1	114.4
5°	150.5	148.1	142.0	127.9	116.3	107.1	101.6	100.4
7.5°	160.9	156.1	147.5	125.5	108.9	97.3	91.2	89.3
10°	168.9	162.8	151.2	122.4	101.6	89.3	82.0	79.6
12.5°	174.4	167.1	154.2	118.7	95.5	80.8	73.4	71.0
15°	177.5	169.5	154.8	113.2	88.1	74.0	66.1	64.3
17.5°	178.7	169.5	153.6	108.9	81.4	67.3	60.0	57.5
20°	178.1	167.1	150.5	102.8	75.3	61.2	53.9	52.0
22.5°	175.6	163.4	145.6	96.7	69.2	55.1	49.0	47.7
25°	172.0	158.5	140.1	91.2	63.6	50.8	44.7	43.4
27.5°	165.8	152.4	132.8	85.1	58.7	46.5	41.0	39.2
30°	157.9	145.0	125.5	78.9	53.9	42.2	37.3	36.1
32.5°	149.3	136.5	118.1	72.8	49.6	39.2	34.3	33.0
35°	139.5	127.3	108.9	66.7	45.3	36.1	31.2	30.6
37.5°	129.7	117.5	101.0	61.8	41.6	33.0	28.8	28.2
40°	118.7	108.9	96.7	56.3	38.6	30.6	26.9	25.7
42.5°	112.0	98.5	83.2	51.4	35.5	28.2	24.5	23.9
45°	97.3	87.5	75.3	46.5	32.4	25.7	22.6	22.0
47.5°	87.5	78.9	67.3	41.6	30.0	23.9	20.8	20.2
50°	77.7	69.8	58.7	36.7	27.5	22.0	19.0	18.4
52.5°	67.9	60.0	50.2	32.4	24.5	20.2	17.1	16.5
55°	58.1	50.8	41.6	28.2	22.0	18.4	15.9	14.7
57.5°	47.7	41.6	35.5	25.1	19.6	16.5	14.1	12.9
60°	38.6	34.9	30.0	22.0	17.1	14.7	12.2	11.6
62.5°	31.2	28.2	25.1	19.0	15.3	12.9	11.0	9.2
65°	25.1	23.3	20.8	15.3	12.9	11.0	9.2	7.3
67.5°	19.6	18.4	16.5	12.9	10.4	9.2	6.7	5.5
70°	15.3	14.1	12.9	9.2	8.0	6.7	4.9	3.7
72.5°	11.0	9.8	9.2	6.7	5.5	4.9	3.1	1.8
75°	6.7	6.7	5.5	3.7	3.1	2.4	1.2	0.6
77.5°	3.7	3.7	3.1	1.8	1.8	0.6	0.0	0.0
80°	1.8	1.2	1.2	0.6	0.6	0.0	0.0	0.0
82.5°	0.6	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)