

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: P1314211

Luminaire Tested: LDSQA3D02R559730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314211
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R559730DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

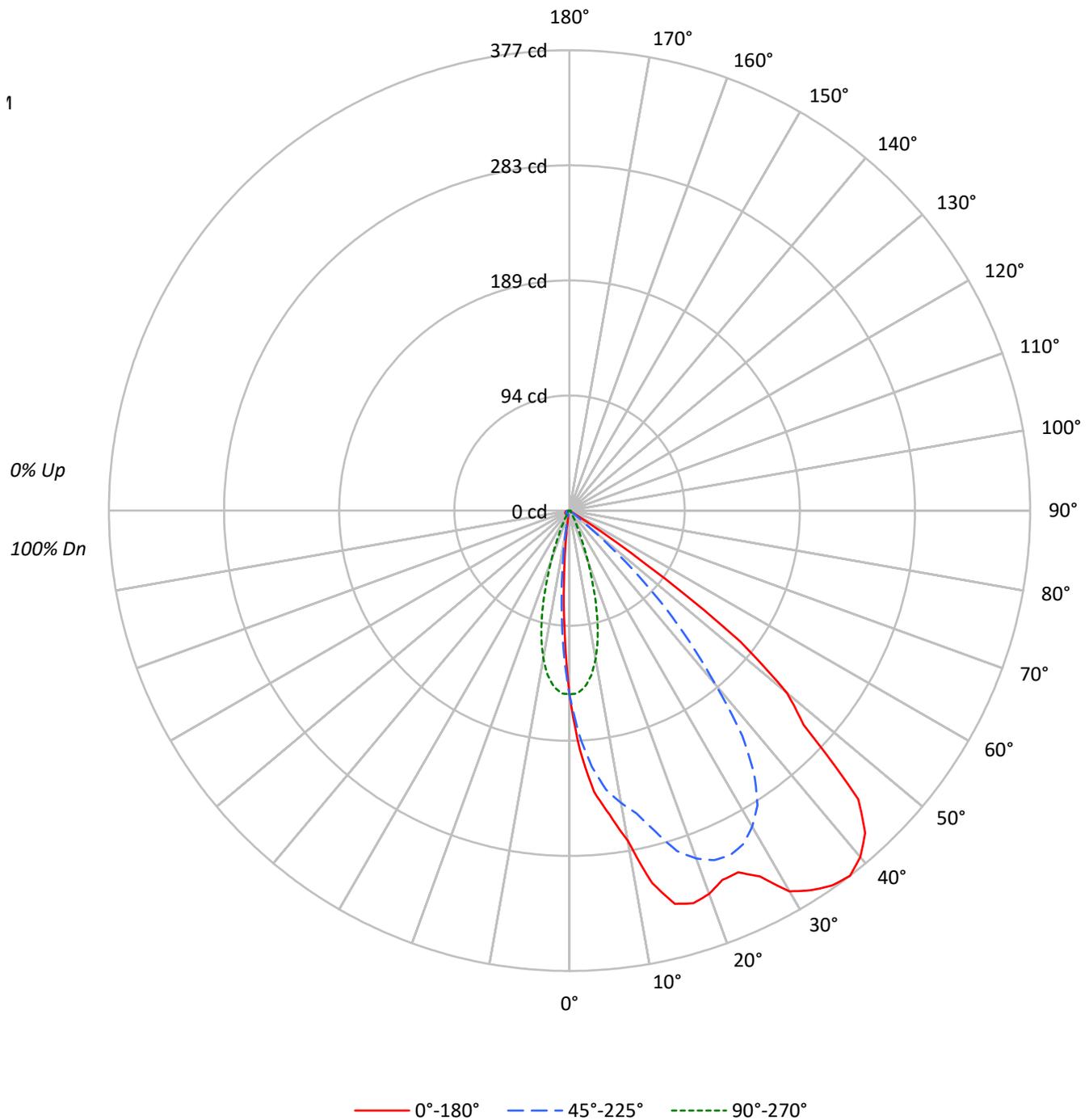
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 251.0 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	88	86	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	63	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	25902	25902	25902	25902	25902
5°	39953	36374	25033	12845	8437
10°	48004	42513	21545	3235	1294
15°	59445	48551	15387	891	695
20°	61214	55551	7954	605	605
25°	62101	59155	3192	532	627
30°	71592	59441	1392	557	656
35°	78800	55421	589	589	736
40°	83229	41704	337	697	787
45°	81398	25501	317	755	950
50°	62267	5439	348	884	1099
55°	22850	210	390	991	1231
60°	241	241	448	1137	1412
65°	285	285	530	1141	1508
70°	201	352	554	1309	1762
75°	133	266	599	1464	2063
80°	198	397	694	1488	2182
85°	0	395	790	1778	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 81398 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	5.3
10°-20°	37.9	15.1
20°-30°	58.2	23.2
30°-40°	67.8	27.0
40°-50°	54.2	21.6
50°-60°	16.0	6.4
60°-70°	1.7	0.7
70°-80°	1.3	0.5
80°-90°	0.6	0.2
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°	109.4	43.6
0°-40°	177.2	70.6
0°-60°	247.4	98.5
0°-90°	251.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	251.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	150	150	150	150	150	
5°	231	210	145	74	49	23
15°	333	272	86	5	4	92
25°	327	311	17	3	3	155
35°	375	264	3	3	4	233
45°	334	105	1	3	4	241
55°	76	1	1	3	4	81
65°	1	1	1	3	4	1
75°	0	0	1	2	3	0
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°	150.4	150.4	150.4	150.4	150.4	150.4	150.4	150.4	150.4	150.4	150.4
2.5°	196.2	196.2	195.6	195.8	195.4	193.0	192.5	189.5	186.9	184.0	181.6
5°	231.1	231.5	230.9	229.6	227.8	226.1	222.4	219.6	215.8	210.4	205.4
7.5°	251.0	250.5	249.4	249.0	247.9	245.9	243.3	240.3	235.9	230.5	224.6
10°	274.5	270.8	269.7	268.0	264.5	260.5	256.0	251.8	248.1	243.1	236.8
12.5°	312.4	311.8	307.4	304.2	299.4	290.6	282.8	273.6	262.7	254.0	245.7
15°	333.4	333.8	331.8	329.2	326.2	319.0	311.1	300.4	287.6	272.3	258.8
17.5°	337.1	337.7	336.6	335.5	334.7	330.5	325.7	318.1	306.3	292.2	272.1
20°	334.0	335.3	335.5	336.9	338.6	336.9	332.9	327.7	317.9	303.1	283.9
22.5°	327.3	329.7	331.4	336.0	340.6	340.6	338.2	334.0	324.4	309.8	290.2
25°	326.8	327.3	327.9	335.3	342.5	344.1	341.9	337.5	327.0	311.3	290.0
27.5°	337.7	334.9	330.5	337.9	346.4	347.8	344.7	338.8	326.4	307.9	282.6
30°	360.0	353.6	344.5	349.9	355.8	354.3	348.2	338.8	322.0	298.9	268.6
32.5°	368.5	365.0	361.7	367.6	368.7	362.4	351.5	337.5	315.1	286.3	245.7
35°	374.8	375.0	373.7	374.8	369.6	360.6	348.6	330.3	302.0	263.6	215.4
37.5°	377.0	377.4	374.6	370.7	362.8	352.6	338.2	317.2	280.2	232.4	169.6
40°	370.2	368.9	364.3	358.9	350.4	339.9	324.2	293.0	247.7	185.5	132.3
42.5°	358.2	356.0	350.6	344.1	335.1	321.8	296.7	259.0	201.2	144.8	92.7
45°	334.2	332.7	326.0	321.2	310.5	293.3	261.0	213.5	155.7	104.7	53.6
47.5°	259.7	259.9	265.1	267.5	263.8	250.1	212.1	162.2	113.6	62.4	18.1
50°	232.4	231.3	226.1	218.9	206.9	186.4	155.7	114.7	67.2	20.3	2.6
52.5°	176.4	176.4	173.8	170.1	157.4	137.6	105.3	63.4	23.5	3.5	0.7
55°	76.1	72.2	74.3	78.5	75.2	65.4	49.3	19.0	4.1	0.7	0.7
57.5°	1.1	2.6	3.9	6.3	8.5	10.2	5.5	2.0	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
67.5°	0.4	0.4	0.4	0.7	0.4	0.7	0.7	0.7	0.7	0.7	0.7
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
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°	150.4	150.4	150.4	150.4	150.4	150.4	150.4	150.4
2.5°	178.1	174.4	168.3	149.8	130.6	112.9	100.3	95.5
5°	199.7	193.0	182.7	144.8	106.6	74.3	56.0	48.8
7.5°	216.7	208.0	193.2	136.1	78.3	39.7	23.8	18.8
10°	228.1	218.5	199.1	123.2	51.9	18.5	8.9	7.4
12.5°	236.3	224.4	201.2	106.6	30.5	8.5	4.8	4.4
15°	242.4	227.0	198.6	86.3	16.8	5.0	3.9	3.9
17.5°	251.0	228.3	192.3	63.7	9.6	3.7	3.7	3.7
20°	257.5	228.3	180.3	43.4	5.9	3.3	3.3	3.3
22.5°	260.8	224.8	165.7	27.5	4.1	3.1	3.3	3.3
25°	257.5	216.3	147.0	16.8	3.3	2.8	3.1	3.3
27.5°	245.5	199.3	121.9	10.7	2.6	2.8	3.1	3.3
30°	225.4	174.6	93.5	7.0	2.4	2.8	3.1	3.3
32.5°	197.1	138.0	60.6	4.6	2.2	2.8	3.1	3.3
35°	153.9	97.7	36.6	2.8	2.2	2.8	3.3	3.5
37.5°	115.3	65.2	19.8	1.7	2.2	2.8	3.3	3.5
40°	80.0	37.9	8.5	1.5	2.2	3.1	3.5	3.5
42.5°	46.4	15.0	2.2	1.3	2.2	3.1	3.5	3.7
45°	17.0	3.1	0.7	1.3	2.4	3.1	3.5	3.9
47.5°	2.4	0.7	0.7	1.3	2.4	3.1	3.7	3.9
50°	0.7	0.7	0.7	1.3	2.4	3.3	3.9	4.1
52.5°	0.7	0.7	0.7	1.3	2.4	3.3	3.9	4.1
55°	0.7	0.7	0.7	1.3	2.4	3.3	3.9	4.1
57.5°	0.7	0.7	0.7	1.3	2.4	3.3	3.9	4.1
60°	0.7	0.7	0.7	1.3	2.2	3.3	3.9	4.1
62.5°	0.7	0.7	0.7	1.3	2.2	3.1	3.7	3.9
65°	0.7	0.7	0.7	1.3	2.0	2.8	3.7	3.7
67.5°	0.7	0.7	0.7	1.1	2.0	2.8	3.5	3.7
70°	0.7	0.7	0.7	1.1	1.7	2.6	3.3	3.5
72.5°	0.7	0.7	0.7	0.9	1.5	2.4	3.1	3.3
75°	0.4	0.7	0.7	0.9	1.5	2.2	2.8	3.1
77.5°	0.4	0.7	0.7	0.7	1.3	1.7	2.4	2.6
80°	0.4	0.4	0.7	0.7	1.1	1.5	2.0	2.2
82.5°	0.4	0.4	0.4	0.7	0.9	1.1	1.5	1.5
85°	0.4	0.4	0.4	0.4	0.7	0.9	1.1	1.1
87.5°	0.2	0.2	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)