

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: P1319706

Luminaire Tested: LDSQA3D02R459840DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319706
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R459840DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

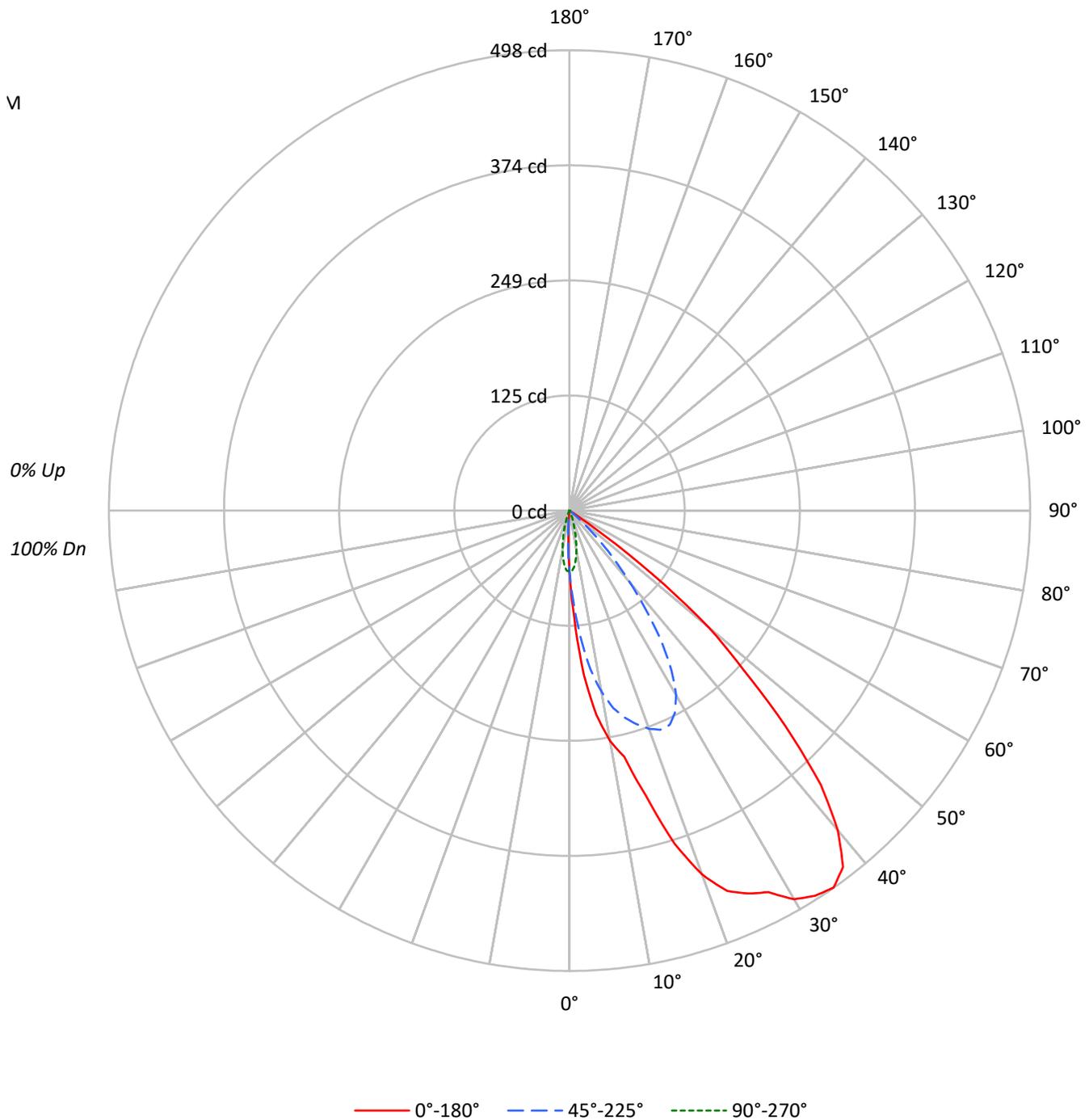
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 211.0 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.27
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 (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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	82	79	76	74
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	11281	11281	11281	11281	11281
5°	30807	23702	10442	2092	778
10°	44245	34784	7555	192	157
15°	56966	41365	4012	71	0
20°	76774	46020	1521	0	0
25°	86842	48628	399	0	0
30°	96529	45839	40	0	0
35°	104639	36562	0	0	0
40°	101417	22954	0	0	0
45°	80399	10936	0	0	0
50°	52622	1366	0	0	0
55°	9038	0	0	0	0
60°	0	0	69	0	0
65°	0	82	82	0	0
70°	0	101	201	0	0
75°	0	133	266	0	0
80°	0	198	397	198	0
85°	0	395	790	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 80399 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.8	3.7
10°-20°	30.1	14.2
20°-30°	56.3	26.7
30°-40°	65.7	31.1
40°-50°	42.8	20.3
50°-60°	8.0	3.8
60°-70°	0.1	0.0
70°-80°	0.2	0.1
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°	94.1	44.6
0°-40°	159.8	75.7
0°-60°	210.6	99.8
0°-90°	211.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	211.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	66	66	66	66	66	
5°	178	137	60	12	4	19
15°	320	232	22	0	0	95
25°	457	256	2	0	0	211
35°	498	174	0	0	0	305
45°	330	45	0	0	0	251
55°	30	0	0	0	0	52
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
2.5°	115.5	116.5	114.6	113.8	111.4	111.9	107.8	106.1	103.4	99.1	97.0
5°	178.2	176.5	175.0	171.8	169.9	164.8	159.1	152.7	144.9	137.1	128.2
7.5°	222.9	221.6	221.0	218.4	214.6	209.3	201.9	193.8	183.7	173.3	159.9
10°	253.0	251.7	249.4	246.8	243.8	239.4	232.2	223.3	212.3	198.9	183.1
12.5°	272.7	272.5	268.8	265.7	261.9	258.1	250.8	243.6	232.8	218.9	201.1
15°	319.5	316.5	311.6	303.0	292.4	282.6	270.6	259.3	247.5	232.0	212.1
17.5°	377.8	374.4	366.1	355.3	338.3	319.5	299.1	281.1	263.4	242.4	218.9
20°	418.9	417.6	410.6	398.1	379.9	355.1	328.2	302.8	278.0	251.1	222.2
22.5°	445.3	444.5	441.7	433.1	414.6	386.7	352.1	318.0	288.1	256.6	221.2
25°	457.0	458.0	458.3	454.2	439.2	410.8	369.7	329.5	293.8	255.9	214.0
27.5°	465.3	465.3	466.9	465.0	449.8	419.9	376.5	333.5	291.9	246.6	198.9
30°	485.4	485.0	486.0	480.9	459.9	422.7	373.5	327.1	281.1	230.5	177.1
32.5°	494.1	494.5	494.3	486.2	461.7	420.8	366.1	314.8	261.2	205.3	148.3
35°	497.7	496.0	489.0	470.5	439.6	395.6	345.3	293.9	233.3	173.9	117.0
37.5°	485.8	480.9	465.3	440.0	402.3	360.0	310.8	256.6	196.4	136.4	88.1
40°	451.1	444.7	425.2	394.5	360.0	322.0	270.1	212.9	153.6	102.1	61.7
42.5°	402.1	394.7	373.7	347.0	315.5	275.6	223.9	166.7	112.5	70.5	39.2
45°	330.1	326.0	313.8	291.3	260.4	218.9	171.6	121.6	77.8	44.9	20.1
47.5°	255.3	250.0	241.3	225.8	200.0	160.6	120.1	82.6	50.0	22.2	4.2
50°	196.4	190.2	179.5	162.3	135.4	107.2	77.8	51.5	25.4	5.1	0.2
52.5°	113.1	114.4	109.3	98.3	83.3	64.2	45.1	25.9	5.7	0.2	0.0
55°	30.1	32.6	31.8	34.3	30.1	25.4	18.8	4.9	0.4	0.0	0.0
57.5°	0.0	0.0	0.2	0.4	1.1	1.7	0.6	0.2	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
2.5°	92.2	88.3	83.3	65.2	49.1	35.2	27.5	25.4
5°	119.7	110.0	97.5	60.4	30.3	12.1	5.5	4.5
7.5°	145.6	131.4	108.9	52.8	15.3	3.0	1.5	1.3
10°	165.7	146.6	117.2	43.2	5.7	1.1	0.9	0.9
12.5°	179.5	156.3	120.3	32.8	2.1	0.6	0.6	0.4
15°	187.5	160.0	117.4	22.5	0.8	0.4	0.0	0.0
17.5°	190.0	158.5	109.8	14.2	0.2	0.0	0.0	0.0
20°	187.9	151.1	97.9	8.3	0.0	0.0	0.0	0.0
22.5°	181.1	139.6	83.5	4.5	0.0	0.0	0.0	0.0
25°	168.4	123.3	66.7	2.1	0.0	0.0	0.0	0.0
27.5°	147.7	102.3	50.2	0.8	0.0	0.0	0.0	0.0
30°	124.2	79.7	35.6	0.2	0.0	0.0	0.0	0.0
32.5°	97.0	58.7	22.9	0.0	0.0	0.0	0.0	0.0
35°	72.9	41.1	13.6	0.0	0.0	0.0	0.0	0.0
37.5°	50.8	25.9	7.2	0.0	0.0	0.0	0.0	0.0
40°	31.6	14.0	2.5	0.0	0.0	0.0	0.0	0.0
42.5°	17.6	4.9	0.2	0.0	0.0	0.0	0.0	0.0
45°	4.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
60°	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0
62.5°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
65°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
67.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
70°	0.2	0.2	0.2	0.4	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.4	0.4	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.4	0.4	0.2	0.0	0.0	0.0
77.5°	0.2	0.4	0.4	0.4	0.2	0.2	0.0	0.0
80°	0.2	0.4	0.4	0.4	0.4	0.2	0.0	0.0
82.5°	0.2	0.4	0.4	0.4	0.4	0.2	0.0	0.0
85°	0.2	0.4	0.4	0.4	0.2	0.2	0.0	0.0
87.5°	0.2	0.4	0.4	0.4	0.4	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)