Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1325837

Luminaire Tested: LDSQA3D09R15W2N902765DE010 3LSQCA30R 1MMS_6500K

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1325837
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-47)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LDSQA3D09R15W2N902765DE010 3LSQCA30R 1MMS_6500K
Description:	3in Adjustable Tunable White LED luminaire with, R15 optic, 6500K CCT AND, 90CRI , 3LSQCA30R 1MMS TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	559.0 lumens
Efficiency:	N/A
Efficacy:	62.1 lumens/watt
Spacing Criteria (0/90/45):	2.33 / 0.38 / 1.17
Luminous Opening:	Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type:	Direct

Input Watts (W):	9
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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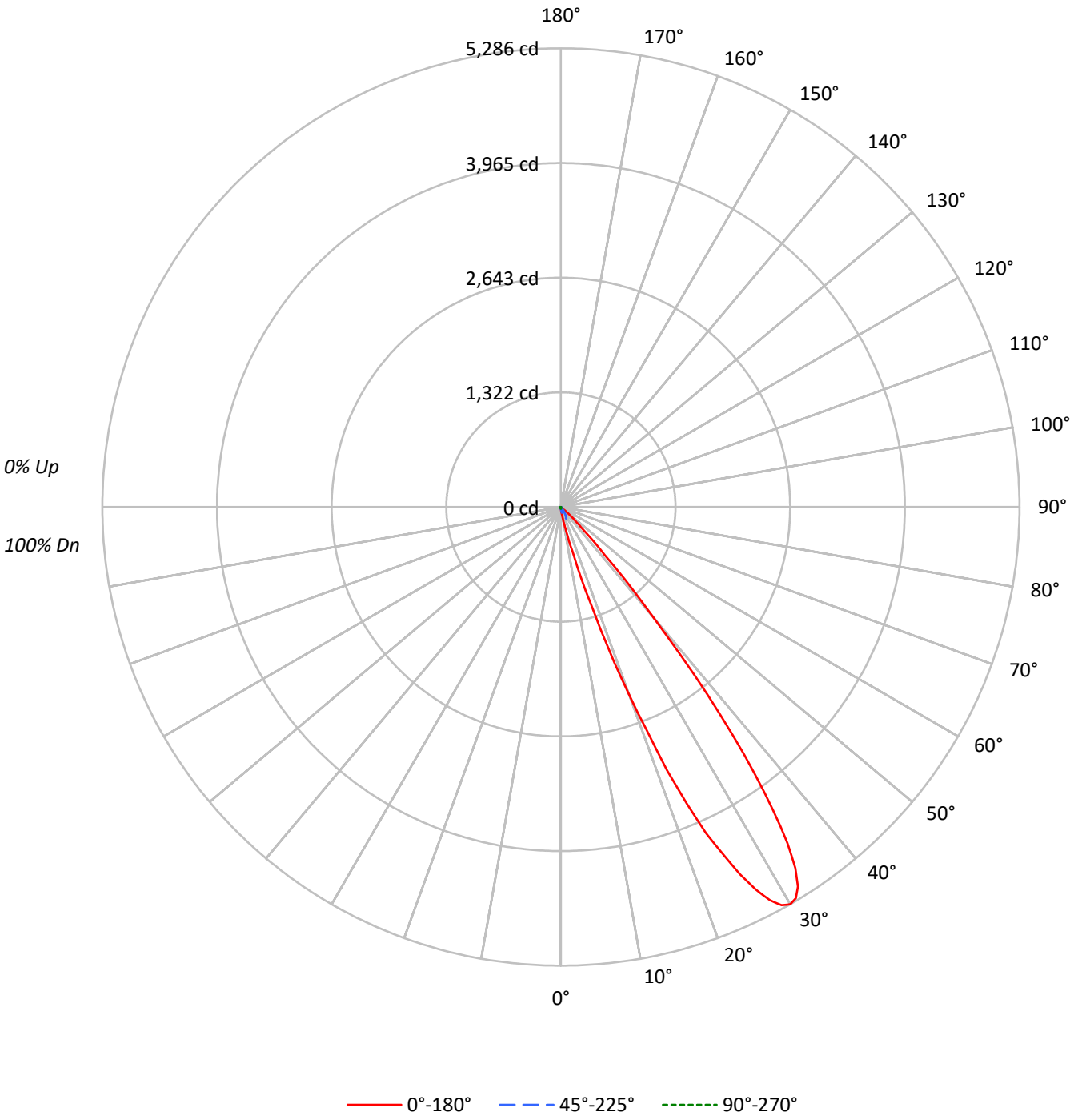
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55
7	76	65	57	52	74	64	57	52	63	56	52	61	56	52	60	55	51	50
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	46	45
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3444	3444	3444	3444	3444
5°	9958	7520	2939	1227	813
10°	25900	11210	1959	0	0
15°	103555	18347	1052	0	0
20°	423073	27033	330	0	0
25°	836307	26813	0	0	0
30°	1051144	21159	0	0	0
35°	896863	12972	0	0	0
40°	369246	4092	0	0	0
45°	79888	1729	0	0	0
50°	10235	0	0	0	0
55°	871	0	180	0	0
60°	0	0	413	0	0
65°	0	0	489	0	0
70°	0	302	906	0	0
75°	0	399	1198	0	0
80°	0	595	1785	0	0
85°	0	1186	3557	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2°
Vertical Angle: 45°
Luminance: 83614 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.5
10°-20°	39.2	7.0
20°-30°	228.3	40.8
30°-40°	244.8	43.8
40°-50°	41.3	7.4
50°-60°	1.3	0.2
60°-70°	0.4	0.1
70°-80°	0.6	0.1
80°-90°	0.5	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°	270.2	48.3
0°-40°	515.0	92.1
0°-60°	557.6	99.7
0°-90°	559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	559.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	58	44	17	7	5	8
15°	581	103	6	0	0	269
25°	4401	141	0	0	0	1991
35°	4266	62	0	0	0	2452
45°	328	7	0	0	0	387
55°	3	0	1	0	0	7
65°	0	0	1	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
2.5°	36.4	37.0	37.6	37.6	37.6	37.6	37.0	37.0	37.0	37.0	36.4
5°	57.6	57.6	57.6	57.6	57.6	57.6	57.0	57.0	57.0	57.0	57.0
7.5°	82.3	81.1	81.7	79.9	81.1	80.5	79.9	81.1	81.1	78.2	78.2
10°	148.1	147.5	141.7	142.8	144.0	143.4	143.4	139.9	139.3	137.0	134.6
12.5°	285.7	292.1	296.8	296.8	285.7	289.8	282.2	283.9	285.1	281.6	269.2
15°	580.8	591.3	580.2	590.8	586.6	571.4	554.3	531.4	540.2	524.3	519.0
17.5°	1272.0	1296.1	1286.1	1237.4	1253.2	1215.6	1192.1	1183.3	1158.6	1085.1	1054.5
20°	2308.4	2337.8	2310.1	2253.1	2271.3	2200.2	2182.0	2164.9	2055.6	2015.6	1887.5
21°	2744.5	2768.6	2779.2	2719.8	2683.4	2627.0	2579.9	2564.7	2498.2	2421.2	2289.6
22°	3271.2	3243.0	3179.5	3187.7	3133.7	3087.2	3022.0	2960.3	2886.2	2778.6	2669.9
23°	3707.4	3674.5	3644.5	3608.0	3549.8	3516.9	3423.5	3355.9	3259.5	3144.2	3039.6
24°	4113.6	4063.0	4044.2	3979.5	3963.1	3889.0	3813.2	3725.0	3608.6	3485.8	3370.0
25°	4401.0	4408.6	4392.2	4384.5	4300.5	4224.7	4149.4	4013.6	3914.3	3805.5	3627.4
26°	4709.0	4712.5	4704.3	4647.9	4572.1	4498.0	4401.0	4282.8	4138.8	4018.3	3857.3
27°	4944.7	4930.6	4918.9	4851.9	4789.5	4696.1	4607.9	4468.0	4327.5	4184.1	3997.2
28°	5132.8	5106.4	5091.7	5034.1	4961.2	4846.6	4738.4	4607.9	4467.4	4313.4	4111.2
29°	5246.3	5218.1	5201.6	5138.1	5054.1	4953.5	4844.2	4700.8	4549.7	4378.1	4174.7
30°	5285.7	5269.2	5243.3	5177.5	5090.5	4985.9	4873.6	4717.8	4559.7	4384.0	4168.8
31°	5259.8	5238.6	5214.0	5142.8	5048.8	4948.8	4818.4	4654.9	4488.6	4321.1	4093.0
32°	5156.9	5144.0	5114.0	5018.8	4942.4	4813.1	4684.3	4531.5	4349.9	4170.0	3963.7
33°	4964.1	4943.0	4917.1	4830.1	4732.5	4608.5	4480.4	4324.0	4143.5	3953.7	3726.8
34°	4670.2	4643.2	4610.9	4552.7	4428.0	4320.5	4172.3	3989.5	3840.2	3658.0	3452.8
35°	4265.8	4226.4	4187.6	4143.5	4003.6	3904.3	3804.4	3645.1	3501.0	3329.4	3097.2
36°	3812.0	3796.7	3765.0	3648.6	3603.3	3468.1	3387.6	3204.8	3088.4	2920.3	2728.7
37°	3298.8	3208.9	3254.8	3189.5	3053.1	3010.8	2915.0	2758.0	2632.3	2454.7	2316.0
38°	2748.6	2689.9	2722.2	2656.4	2585.2	2487.6	2414.8	2300.1	2159.1	2019.7	1888.1
39°	2178.5	2130.8	2166.1	2121.4	2013.3	1972.7	1908.1	1820.5	1707.0	1598.3	1473.7
40°	1642.4	1581.2	1628.3	1564.8	1515.4	1449.0	1416.1	1335.5	1265.0	1199.7	1120.4
42.5°	750.1	743.6	733.0	710.1	704.8	705.4	664.8	638.4	602.5	560.8	535.5
45°	328.0	336.2	343.3	330.4	329.8	322.7	320.4	302.7	295.7	282.2	265.7
47.5°	161.7	164.6	162.8	166.4	163.4	158.7	157.5	155.2	148.1	147.5	139.9
50°	38.2	37.6	37.6	38.2	37.6	37.6	37.0	35.9	35.3	35.9	34.1
52.5°	12.3	12.9	12.3	11.8	12.3	12.9	12.3	12.3	12.3	12.3	12.3
55°	2.9	2.9	2.9	2.9	2.9	2.9	2.4	2.4	2.9	2.9	2.9
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	*0.0*	0.0	0.0	0.0	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	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):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
2.5°	35.9	30.6	25.3	20.0	14.7	11.8	11.2	10.6
5°	54.1	43.5	28.8	17.0	10.0	7.1	5.3	4.7
7.5°	72.9	54.1	31.7	14.1	7.1	2.9	1.2	0.6
10°	104.6	64.1	32.9	11.2	3.5	0.0	0.0	0.0
12.5°	205.1	73.5	32.3	8.8	0.6	0.0	0.0	0.0
15°	340.9	102.9	30.0	5.9	0.0	0.0	0.0	0.0
17.5°	558.4	132.8	25.9	4.1	0.0	0.0	0.0	0.0
20°	865.9	147.5	20.0	1.8	0.0	0.0	0.0	0.0
21°	1015.2	148.7	17.6	1.2	0.0	0.0	0.0	0.0
22°	1144.5	148.7	15.3	0.6	0.0	0.0	0.0	0.0
23°	1264.4	147.0	13.5	0.0	0.0	0.0	0.0	0.0
24°	1363.2	144.6	12.3	0.0	0.0	0.0	0.0	0.0
25°	1437.2	141.1	11.2	0.0	0.0	0.0	0.0	0.0
26°	1471.3	136.4	9.4	0.0	0.0	0.0	0.0	0.0
27°	1488.4	129.9	8.2	0.0	0.0	0.0	0.0	0.0
28°	1476.6	122.9	7.1	0.0	0.0	0.0	0.0	0.0
29°	1447.2	115.2	5.3	0.0	0.0	0.0	0.0	0.0
30°	*1409.0*	*106.4*	*4.1*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
31°	1353.2	97.6	2.9	0.0	0.0	0.0	0.0	0.0
32°	1276.7	88.8	2.4	0.0	0.0	0.0	0.0	0.0
33°	1174.5	79.4	1.2	0.0	0.0	0.0	0.0	0.0
34°	1048.1	70.0	0.6	0.0	0.0	0.0	0.0	0.0
35°	906.4	61.7	0.0	0.0	0.0	0.0	0.0	0.0
36°	784.7	52.9	0.0	0.0	0.0	0.0	0.0	0.0
37°	662.5	42.3	0.0	0.0	0.0	0.0	0.0	0.0
38°	554.9	33.5	0.0	0.0	0.0	0.0	0.0	0.0
39°	459.1	27.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	380.3	18.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	210.4	12.3	0.0	0.0	0.0	0.0	0.0	0.0
45°	127.6	7.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	74.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0
50°	28.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2.4	0.0	0.0	0.6	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.6	1.2	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.6	1.2	0.6	0.0	0.0	0.0
65°	0.0	0.0	1.2	1.2	0.6	0.0	0.0	0.0
67.5°	0.0	0.0	1.2	1.8	0.6	0.0	0.0	0.0
70°	0.0	0.6	1.2	1.8	0.6	0.0	0.0	0.0
72.5°	0.0	0.6	1.2	1.8	0.6	0.0	0.0	0.0
75°	0.0	0.6	1.2	1.8	0.6	0.0	0.0	0.0
77.5°	0.0	0.6	1.2	1.8	0.6	0.0	0.0	0.0
80°	0.0	0.6	1.2	1.8	0.6	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	0.6	1.2	1.8	0.6	0.0	0.0	0.0
85°	0.0	0.6	1.2	1.8	0.6	0.0	0.0	0.0
87.5°	0.0	0.6	1.2	1.8	0.6	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)