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: P1327365

Luminaire Tested: LDSQA3D13R15W2N902750DE010 3LSQCA30R 1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1327365
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LDSQA3D13R15W2N902750DE010 3LSQCA30R 1MW_4000K
Description:	3in Adjustable Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	797.1 lumens
Efficiency:	N/A
Efficacy:	64.8 lumens/watt
Spacing Criteria (0/90/45):	2.35 / 0.49 / 1.26
Luminous Opening:	Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type:	Direct
Input Watts (W):	12.3
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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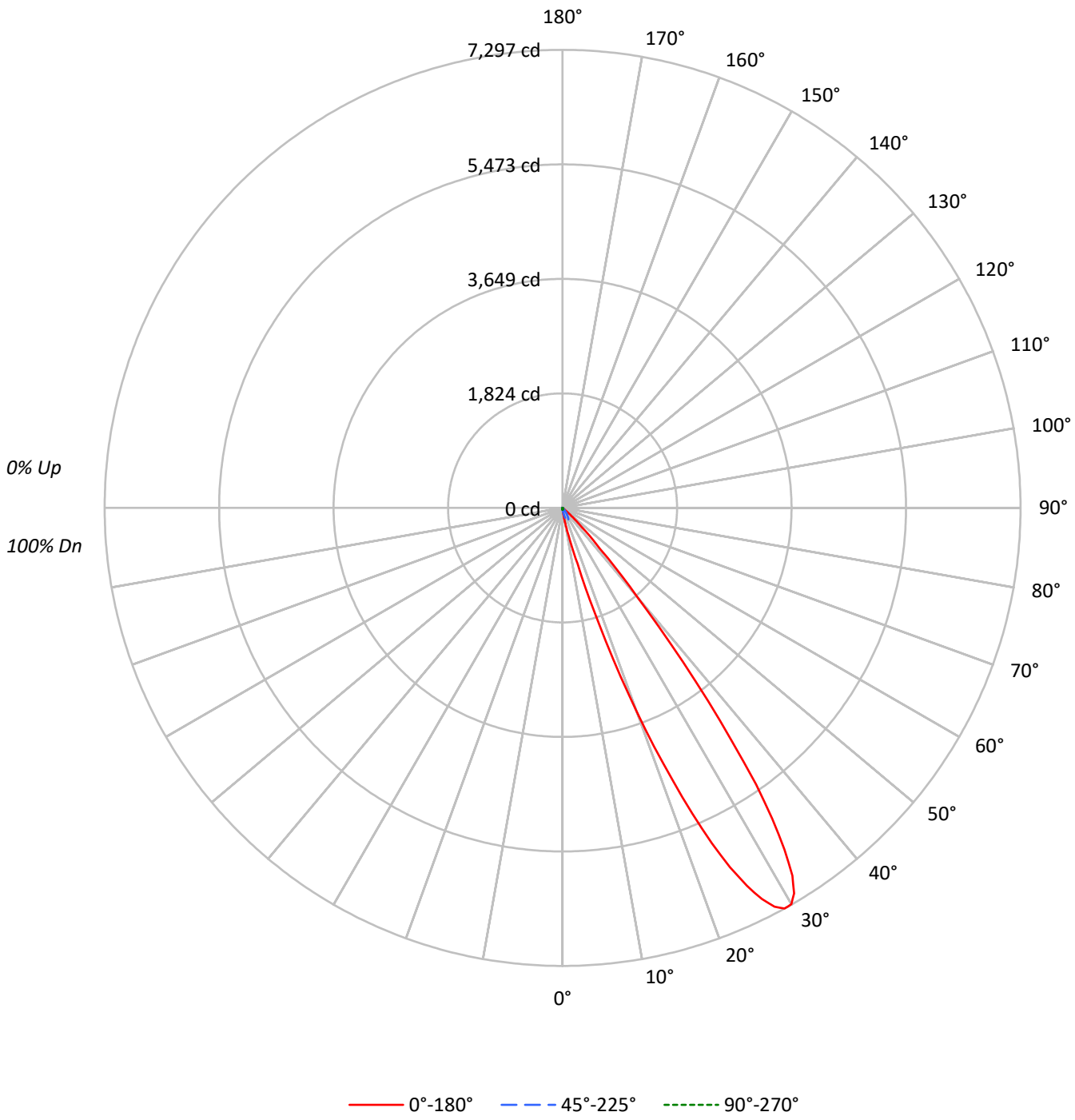
Luminous Intensity Polar Plot



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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	93	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	69	64	72	67	64	71	66	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50
8	71	60	53	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4547	4547	4547	4547	4547
5°	9785	7244	4287	2282	1884
10°	43388	13693	3393	944	682
15°	164088	31648	2354	410	285
20°	631018	44609	1430	147	147
25°	1199961	41844	741	0	0
30°	1449571	33767	318	0	0
35°	1130551	22980	168	0	0
40°	412568	11331	180	0	180
45°	105924	3410	195	0	390
50°	17871	429	214	214	616
55°	2342	0	480	691	1171
60°	276	276	792	1068	1619
65°	326	326	1263	1589	1915
70°	403	403	1561	1561	1964
75°	532	532	2063	1530	2063
80°	0	793	2281	1587	2281
85°	0	1581	4545	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 105924 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.5
10°-20°	61.1	7.7
20°-30°	338.7	42.5
30°-40°	327.2	41.1
40°-50°	56.9	7.1
50°-60°	4.1	0.5
60°-70°	2.4	0.3
70°-80°	2.0	0.2
80°-90°	1.0	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°	403.4	50.6
0°-40°	730.7	91.7
0°-60°	791.7	99.3
0°-90°	797.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	797.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	57	42	25	13	11	11
15°	920	178	13	2	2	410
25°	6315	220	4	0	0	2823
35°	5377	109	1	0	0	3093
45°	435	14	1	0	2	467
55°	8	0	2	2	4	15
65°	1	1	3	4	5	1
75°	1	1	3	2	3	1
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
2.5°	38.8	37.2	38.0	38.0	38.0	38.0	38.0	36.4	36.4	37.2	33.3
5°	56.6	56.6	55.8	56.6	56.6	55.8	54.3	53.5	53.5	51.9	41.9
7.5°	113.2	111.6	111.6	110.1	102.3	100.0	98.5	94.6	87.6	86.1	54.3
10°	248.1	248.9	243.4	236.5	235.7	224.1	220.2	213.2	200.0	186.8	78.3
12.5°	450.4	440.4	427.2	428.0	405.5	397.7	379.9	360.5	340.3	319.4	128.7
15°	920.3	891.6	908.6	866.8	819.5	766.0	711.7	643.5	585.3	523.3	177.5
17.5°	1938.2	1966.1	1918.8	1739.7	1629.6	1500.2	1318.0	1142.0	991.6	870.6	217.1
20°	3443.0	3484.1	3323.6	3167.8	2900.3	2608.8	2304.9	1960.7	1631.2	1345.9	243.4
21°	4071.8	4047.0	3981.1	3731.4	3422.9	3084.8	2712.7	2332.8	1933.5	1563.0	245.8
22°	4679.6	4691.2	4537.7	4276.4	3955.5	3581.0	3126.7	2657.7	2227.4	1739.7	241.9
23°	5285.1	5322.3	5119.2	4874.2	4470.3	4047.7	3522.1	3015.8	2484.0	1942.1	234.1
24°	5845.6	5820.0	5682.8	5374.2	4942.4	4447.8	3902.0	3288.0	2694.9	2115.0	227.9
25°	6314.7	6311.6	6096.0	5796.0	5302.1	4754.0	4152.4	3510.5	2875.5	2232.0	220.2
26°	6698.4	6635.6	6465.8	6099.9	5612.3	5033.9	4357.9	3672.5	2977.1	2291.0	212.4
27°	6994.6	6949.6	6721.7	6341.0	5831.7	5192.1	4489.7	3753.1	3023.6	2310.3	202.3
28°	7193.8	7145.0	6902.3	6510.0	5952.6	5291.3	4559.4	3787.2	3023.6	2291.7	193.0
29°	7296.9	7230.3	6988.4	6568.2	5980.5	5302.9	4542.4	3753.9	2976.3	2234.4	182.2
30°	7289.2	7206.2	6952.7	6515.5	5897.6	5207.6	4447.0	3633.7	2869.3	2149.1	169.8
31°	7163.6	7070.6	6787.6	6337.1	5726.2	5027.7	4267.1	3472.5	2722.8	2038.2	157.4
32°	6908.5	6790.7	6514.7	6065.8	5462.6	4758.7	4005.9	3223.6	2503.4	1876.2	144.2
33°	6493.0	6374.4	6078.2	5657.2	5106.0	4417.5	3659.3	2956.1	2253.7	1683.1	133.3
34°	5972.8	5864.2	5609.2	5185.1	4656.3	3985.7	3260.8	2586.3	1994.8	1491.6	121.7
35°	5377.3	5204.5	4973.4	4637.7	4122.2	3447.7	2830.5	2242.1	1728.1	1290.8	109.3
36°	4571.8	4602.8	4357.9	3947.0	3519.8	2991.0	2398.7	1869.2	1445.1	1100.1	98.5
37°	3857.8	3809.0	3653.1	3335.3	2963.1	2438.3	2010.3	1584.7	1215.6	930.3	86.8
38°	3112.0	3122.8	2970.1	2725.9	2356.9	2004.9	1618.0	1301.7	1017.2	791.6	76.0
39°	2435.9	2427.4	2386.3	2159.9	1825.8	1594.8	1311.0	1079.2	847.4	667.5	64.3
40°	1835.1	1849.0	1752.9	1616.5	1421.9	1231.9	1044.3	860.6	700.9	562.9	50.4
42.5°	892.3	914.1	850.5	815.6	729.5	655.1	552.8	451.2	383.8	331.8	22.5
45°	434.9	422.5	417.1	400.0	379.9	339.6	300.8	258.2	225.6	194.6	14.0
47.5°	222.5	216.3	216.3	209.3	202.3	189.2	169.8	155.8	140.3	120.9	5.4
50°	66.7	65.9	65.1	65.9	63.6	65.9	67.4	68.2	62.0	61.2	1.6
52.5°	26.4	27.1	26.4	28.7	28.7	27.9	28.7	27.9	27.1	24.0	0.0
55°	7.8	7.8	7.8	7.8	7.8	7.8	8.5	9.3	8.5	9.3	0.0
57.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0
60°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8
62.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8

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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
85°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
87.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	26.4	26.4	26.4	26.4	26.4	26.4
2.5°	31.0	27.1	22.5	18.6	17.1	16.3
5°	33.3	24.8	17.1	13.2	11.6	10.9
7.5°	35.7	22.5	13.2	9.3	7.0	6.2
10°	37.2	19.4	10.1	5.4	3.9	3.9
12.5°	37.2	15.5	7.0	3.1	2.3	2.3
15°	36.4	13.2	4.7	2.3	1.6	1.6
17.5°	35.7	10.1	3.1	1.6	0.8	1.6
20°	33.3	7.8	1.6	0.8	0.8	0.8
21°	32.6	7.0	1.6	0.8	0.8	0.8
22°	31.0	6.2	0.8	0.0	0.8	0.8
23°	29.5	4.7	0.8	0.0	0.0	0.0
24°	27.1	3.9	0.8	0.0	0.0	0.0
25°	25.6	3.9	0.8	0.0	0.0	0.0
26°	24.0	2.3	0.0	0.0	0.0	0.0
27°	21.7	1.6	0.0	0.0	0.0	0.0
28°	20.2	1.6	0.0	0.0	0.0	0.0
29°	*17.8*	*1.6*	*0.0*	*0.0*	*0.0*	*0.0*
30°	15.5	1.6	0.0	0.0	0.0	0.0
31°	12.4	0.8	0.0	0.0	0.0	0.0
32°	10.1	0.8	0.0	0.0	0.0	0.0
33°	7.0	0.8	0.0	0.0	0.0	0.0
34°	4.7	0.8	0.0	0.0	0.0	0.0
35°	3.9	0.8	0.0	0.0	0.0	0.0
36°	2.3	0.8	0.0	0.0	0.0	0.8
37°	2.3	0.8	0.0	0.0	0.0	0.8
38°	1.6	0.8	0.0	0.0	0.0	0.8
39°	0.8	0.8	0.0	0.0	0.0	0.8
40°	0.8	0.8	0.0	0.0	0.0	0.8
42.5°	0.0	0.8	0.0	0.0	0.8	1.6
45°	0.0	0.8	0.0	0.0	0.8	1.6
47.5°	0.0	0.8	0.0	0.0	1.6	1.6
50°	0.0	0.8	0.8	0.8	1.6	2.3
52.5°	0.0	1.6	0.8	1.6	2.3	3.1
55°	0.8	1.6	1.6	2.3	3.1	3.9
57.5°	0.8	2.3	2.3	3.1	3.9	3.9
60°	1.6	2.3	3.1	3.1	4.7	4.7
62.5°	1.6	3.1	3.1	3.1	4.7	4.7
65°	1.6	3.1	3.1	3.9	4.7	4.7
67.5°	1.6	3.1	3.1	3.1	3.9	4.7
70°	1.6	3.1	2.3	3.1	3.9	3.9
72.5°	1.6	3.1	2.3	2.3	3.1	3.9
75°	1.6	3.1	2.3	2.3	3.1	3.1
77.5°	1.6	2.3	2.3	1.6	2.3	2.3
80°	1.6	2.3	1.6	1.6	2.3	2.3

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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	1.6	2.3	1.6	0.8	1.6	1.6
85°	1.6	2.3	1.6	0.8	0.8	0.8
87.5°	1.6	2.3	0.8	0.0	0.0	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)