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: P1327278

Luminaire Tested: LDSQA3D09R70W2N902765DE010 3LSQCA30R 1MW_5000K

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1327278
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LDSQA3D09R70W2N902765DE010 3LSQCA30R 1MW_5000K
Description:	3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	518.0 lumens
Efficiency:	N/A
Efficacy:	57.6 lumens/watt
Spacing Criteria (0/90/45):	1.7 / 0.89 / 1.39
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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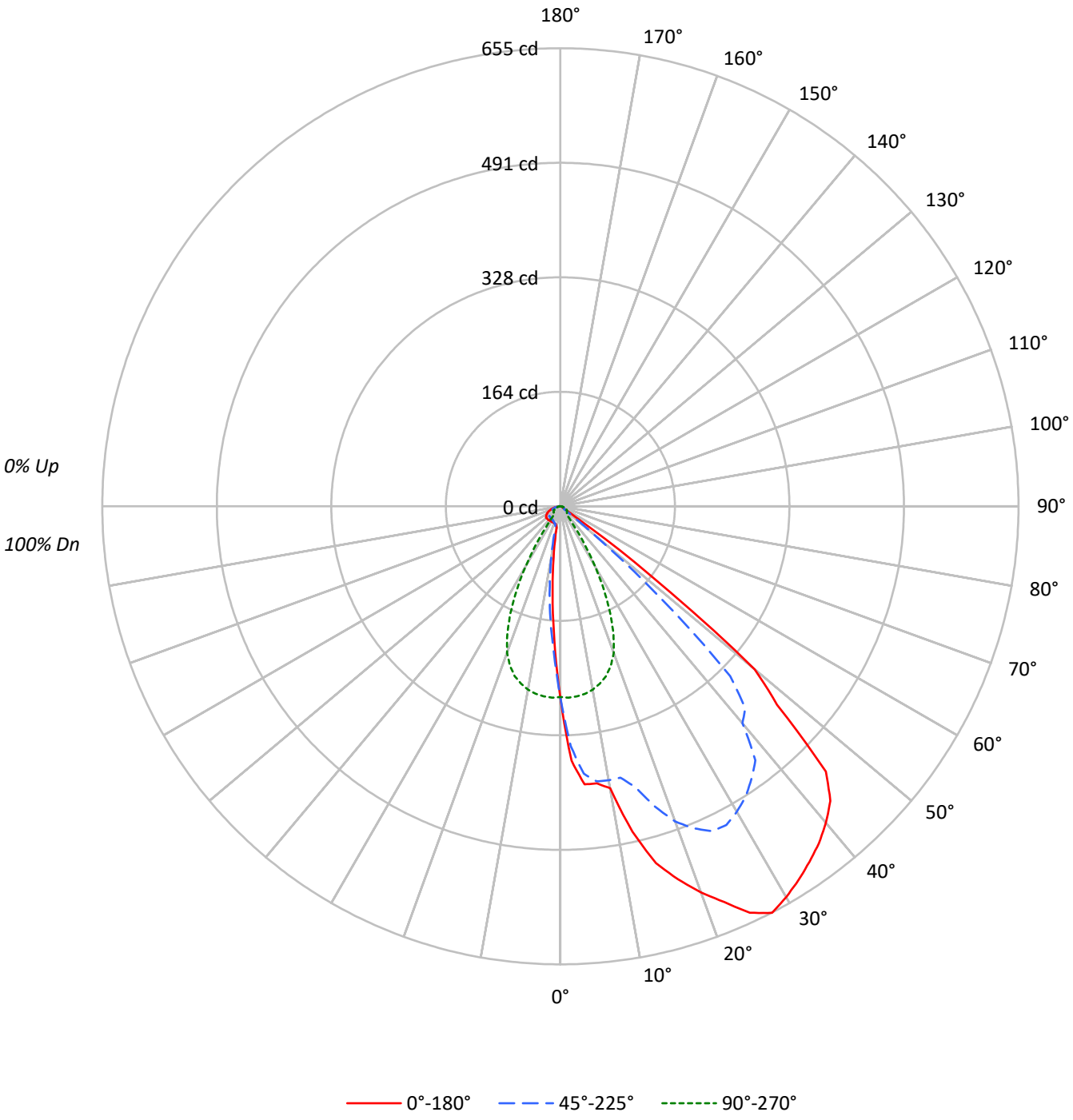
Luminous Intensity Polar Plot



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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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	46965	46965	46965	46965	46965
5°	68997	66352	47145	28145	22042
10°	71543	69585	46570	13466	5456
15°	94213	74190	44860	4814	4707
20°	107619	87899	40834	4637	4747
25°	121864	97389	32057	4466	4694
30°	128348	100288	19867	4435	5031
35°	130499	100098	6560	4562	5319
40°	132802	91052	3170	4879	5823
45°	130694	83614	3288	5163	6308
50°	97179	15433	3296	5680	6939
55°	7777	2132	3543	6005	7416
60°	1619	2239	3444	6062	7681
65°	1671	2160	3342	5990	7906
70°	1460	2065	3273	5640	7704
75°	1198	1930	2728	5456	7453
80°	1190	1785	2876	5256	7042
85°	1186	2371	3557	4742	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
Vertical Angle: 45°
Luminance: 132277 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.8	4.8
10°-20°	69.8	13.5
20°-30°	117.2	22.6
30°-40°	140.9	27.2
40°-50°	111.7	21.6
50°-60°	35.7	6.9
60°-70°	10.0	1.9
70°-80°	6.0	1.1
80°-90°	1.9	0.4
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°	211.8	40.9
0°-40°	352.7	68.1
0°-60°	500.2	96.6
0°-90°	518.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	518.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	273	273	273	273	273	
5°	399	384	273	163	128	38
15°	528	416	252	27	26	149
25°	641	512	169	24	25	293
35°	621	476	31	22	25	389
45°	537	343	14	21	26	385
55°	26	7	12	20	25	81
65°	4	5	8	15	19	4
75°	2	3	4	8	11	2
85°	1	1	2	2	3	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°	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7
2.5°	363.8	366.2	366.2	363.2	364.4	359.7	356.2	350.9	349.7	343.3	335.0
5°	399.1	397.9	397.9	395.6	396.7	395.0	393.2	392.0	388.5	383.8	379.1
7.5°	399.7	400.9	401.4	400.9	403.2	401.4	401.4	401.4	399.1	396.7	392.0
10°	409.1	407.3	405.6	401.4	399.1	397.3	397.3	397.9	399.1	397.9	395.0
12.5°	476.7	470.2	467.3	457.3	449.6	436.7	422.0	410.9	400.9	397.3	395.0
15°	528.4	527.2	521.4	511.9	502.5	487.3	470.2	453.2	434.9	416.1	402.6
17.5°	559.0	556.6	550.7	540.7	529.6	515.5	502.0	489.0	471.4	450.2	428.5
20°	587.2	581.9	574.3	562.5	551.3	537.8	523.1	510.8	496.1	479.6	454.3
22.5°	612.5	607.8	595.4	579.5	568.4	555.4	542.5	530.8	517.2	498.4	475.5
25°	641.3	630.7	610.7	590.1	576.6	566.0	556.6	547.2	533.1	512.5	485.5
27.5°	655.4	640.7	618.9	598.3	585.4	574.3	564.3	554.9	539.0	513.7	482.6
30°	645.4	637.1	621.9	606.0	595.4	584.8	573.1	559.0	533.7	504.3	475.5
32.5°	633.6	629.5	622.4	613.0	606.6	596.0	579.5	556.6	521.4	492.6	461.4
35°	620.7	618.9	616.6	612.5	608.3	598.3	577.8	544.3	509.0	476.1	446.1
37.5°	607.2	605.4	607.2	606.6	603.1	590.1	559.0	527.8	491.4	457.9	399.7
40°	590.7	589.5	592.5	595.4	591.3	574.3	540.7	503.1	470.8	405.0	385.0
42.5°	571.3	570.7	576.0	578.4	572.5	547.2	507.8	480.2	412.0	390.9	343.8
45°	536.6	537.8	540.2	543.1	539.6	511.9	476.1	425.5	395.6	343.3	195.7
47.5°	420.3	421.4	433.2	457.9	474.9	465.5	434.9	397.3	353.8	196.3	61.7
50°	362.7	361.5	362.1	367.9	381.5	394.4	385.0	364.4	211.0	57.6	7.6
52.5°	159.3	176.9	195.7	248.6	282.7	318.6	325.6	228.1	68.8	7.6	7.6
55°	25.9	27.0	34.1	50.0	89.9	135.8	164.6	76.4	7.1	7.1	7.1
57.5°	5.3	5.3	5.3	5.9	8.8	18.8	21.7	6.5	6.5	6.5	7.1
60°	4.7	4.7	4.7	4.7	5.3	5.3	5.3	5.9	5.9	6.5	6.5
62.5°	4.7	4.7	4.7	4.7	4.7	4.7	5.3	5.3	5.9	5.9	6.5
65°	4.1	4.1	4.1	4.1	4.7	4.7	4.7	4.7	5.3	5.3	5.9
67.5°	3.5	3.5	3.5	3.5	4.1	4.1	4.1	4.7	4.7	4.7	5.3
70°	2.9	2.9	2.9	2.9	3.5	3.5	3.5	3.5	4.1	4.1	4.1
72.5°	2.4	2.4	2.4	2.4	2.9	2.9	2.9	2.9	3.5	3.5	3.5
75°	1.8	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.9	2.9	2.9
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.4	2.4	2.4	2.4
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8
82.5°	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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°	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7
2.5°	329.7	321.5	310.3	273.9	240.4	209.8	194.6	192.8
5°	371.5	363.8	345.0	272.7	208.7	162.8	135.2	127.5
7.5°	387.3	380.9	364.4	270.4	178.7	117.0	85.8	74.1
10°	391.5	387.3	373.2	266.3	147.5	77.0	40.6	31.2
12.5°	393.2	390.3	376.8	259.8	116.4	40.0	27.6	27.6
15°	396.2	393.2	380.3	251.6	85.8	27.0	26.4	26.4
17.5°	409.1	399.7	385.0	239.2	56.4	25.9	25.9	25.9
20°	430.2	409.7	387.3	222.8	35.3	25.3	25.3	25.9
22.5°	447.9	420.3	386.8	198.1	25.9	24.1	24.7	25.3
25°	455.5	425.0	381.5	168.7	22.3	23.5	24.7	24.7
27.5°	*454.3*	*426.7*	*376.8*	*135.2*	*21.2*	*22.9*	*24.1*	*25.3*
30°	447.9	422.0	366.2	99.9	20.0	22.3	24.1	25.3
32.5°	436.7	403.8	345.0	64.7	19.4	22.3	24.1	25.3
35°	400.3	374.4	314.5	31.2	18.8	21.7	24.7	25.3
37.5°	379.1	343.3	239.8	15.3	18.2	21.7	24.7	25.3
40°	345.0	256.3	108.1	14.1	18.2	21.7	24.7	25.9
42.5°	216.9	105.2	17.6	13.5	17.6	21.7	24.7	25.9
45°	79.3	14.1	9.4	13.5	17.6	21.2	24.7	25.9
47.5°	8.2	8.2	8.8	12.9	17.0	21.2	24.7	25.9
50°	7.6	8.2	8.8	12.3	16.5	21.2	24.1	25.9
52.5°	7.6	8.2	8.8	12.3	15.9	20.6	24.1	25.9
55°	7.6	8.2	8.2	11.8	15.3	20.0	23.5	24.7
57.5°	7.1	7.6	8.2	11.2	14.7	18.8	22.9	24.1
60°	7.1	7.6	8.2	10.0	14.1	17.6	21.7	22.3
62.5°	6.5	7.1	7.6	9.4	12.9	16.5	20.0	21.2
65°	6.5	6.5	7.1	8.2	11.8	14.7	18.2	19.4
67.5°	5.3	5.9	5.9	7.1	10.0	12.9	16.5	17.6
70°	4.7	4.7	5.3	6.5	8.8	11.2	14.1	15.3
72.5°	4.1	4.1	4.1	5.3	7.6	10.0	12.3	13.5
75°	3.5	3.5	3.5	4.1	6.5	8.2	10.6	11.2
77.5°	2.9	2.9	2.9	3.5	5.3	7.1	8.2	9.4
80°	2.4	2.4	2.4	2.9	4.1	5.3	6.5	7.1
82.5°	1.8	1.8	1.8	2.4	2.9	3.5	4.7	4.7
85°	1.2	1.2	1.2	1.8	1.8	2.4	2.9	2.9
87.5°	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)