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: P1327264

Luminaire Tested: LDSQA3D09R70W2N902765DE010 3LSQCA30R 1MB_3500K

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1327264
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LDSQA3D09R70W2N902765DE010 3LSQCA30R 1MB_3500K
Description:	3in Adjustable Tunable White LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	448.0 lumens
Efficiency:	N/A
Efficacy:	49.8 lumens/watt
Spacing Criteria (0/90/45):	2.08 / 0.83 / 1.48
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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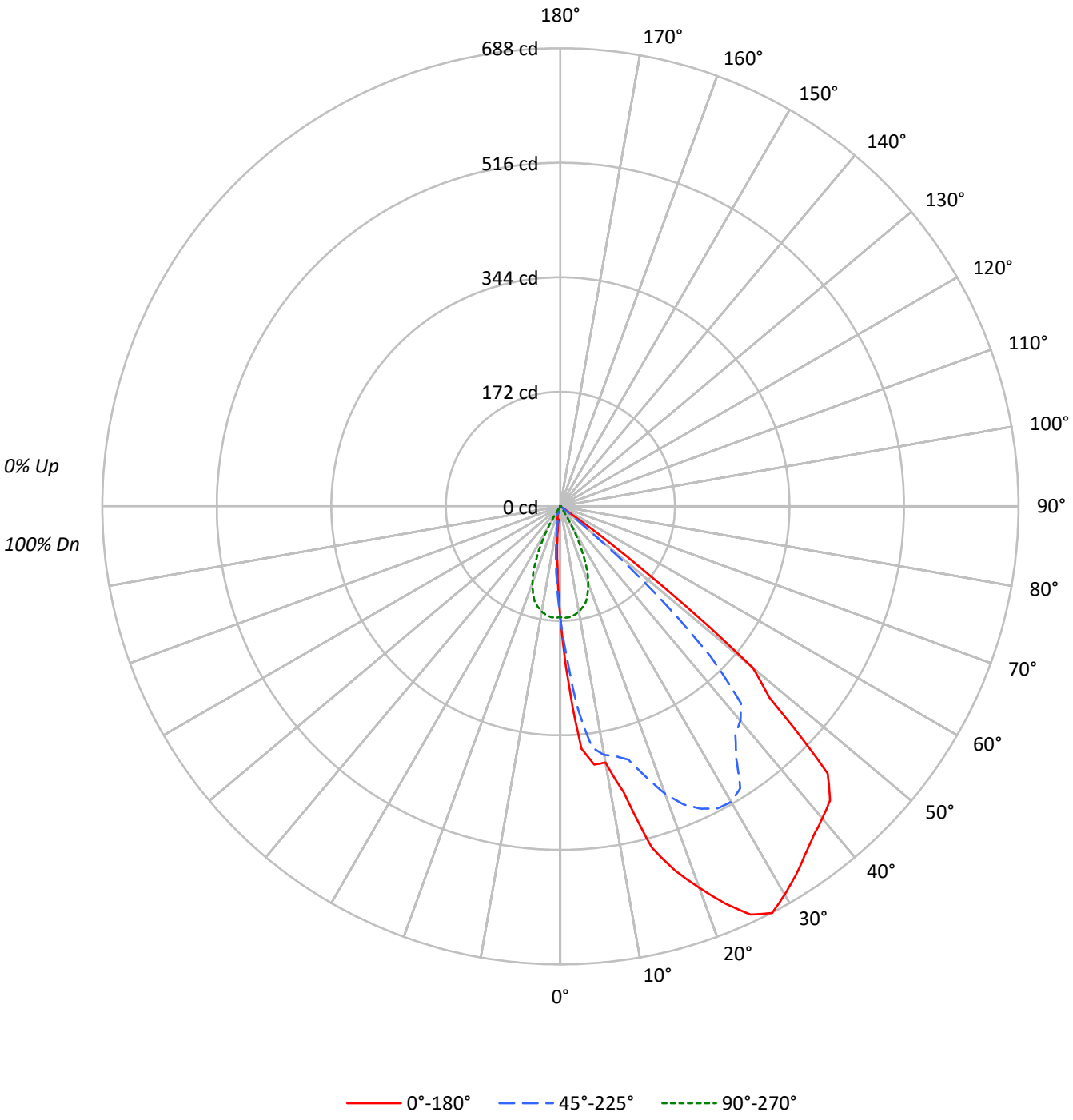
Luminous Intensity Polar Plot



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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	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	28641	28641	28641	28641	28641
5°	63171	53005	28854	13122	8627
10°	68325	66332	28086	3655	3760
15°	94569	70232	26495	3726	2710
20°	111688	84123	22470	2199	806
25°	128553	95260	15867	361	0
30°	133896	101958	7298	0	0
35°	134515	96629	399	0	0
40°	137590	94515	0	0	0
45°	138269	77452	0	0	0
50°	100956	16103	0	0	0
55°	5705	0	0	0	0
60°	0	207	207	0	0
65°	0	0	245	0	0
70°	0	302	302	0	0
75°	0	399	399	0	0
80°	0	595	595	595	0
85°	0	1186	1186	1186	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
Vertical Angle: 45°
Luminance: 140899 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.2	4.1
10°-20°	60.7	13.6
20°-30°	109.2	24.4
30°-40°	132.7	29.6
40°-50°	102.5	22.9
50°-60°	23.8	5.3
60°-70°	0.1	0.0
70°-80°	0.3	0.1
80°-90°	0.3	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°	188.1	42.0
0°-40°	320.8	71.6
0°-60°	447.2	99.8
0°-90°	448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	448.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	166	166	166	166	166	
5°	365	307	167	76	50	34
15°	530	394	149	21	15	148
25°	676	501	84	2	0	308
35°	640	460	2	0	0	402
45°	568	318	0	0	0	401
55°	19	0	0	0	0	78
65°	0	0	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	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°	*166.3*	166.3	166.3	166.3	166.3	166.3	166.3	166.3	166.3	166.3	166.3
2.5°	*259.2*	259.2	260.5	259.8	254.1	251.6	243.4	239.0	237.7	227.6	223.8
5°	*365.4*	366.0	362.9	362.3	355.9	351.5	344.5	333.8	323.1	306.6	292.1
7.5°	*391.3*	390.7	390.1	390.1	388.8	386.3	383.1	380.0	375.5	365.4	354.0
10°	*390.7*	390.7	390.1	390.1	389.4	390.1	389.4	387.5	385.6	379.3	373.0
12.5°	*440.0*	436.2	431.2	423.6	410.9	401.4	390.7	387.5	386.3	384.4	380.6
15°	*530.4*	527.3	516.5	503.2	490.6	469.1	452.0	428.6	410.3	393.9	385.6
17.5°	*574.0*	575.9	563.9	555.7	543.7	526.6	506.4	482.4	456.4	425.5	400.8
20°	*609.4*	611.3	601.2	593.0	579.1	561.4	543.7	517.8	493.1	459.0	426.7
22.5°	*645.5*	646.7	637.3	625.2	609.4	591.1	568.3	541.8	515.2	484.9	450.8
25°	*676.5*	675.2	659.4	642.3	627.1	607.5	585.4	559.5	534.2	501.3	469.1
27.5°	*688.5*	*687.8*	*670.1*	*653.7*	*636.0*	*609.4*	*589.8*	*567.1*	*540.5*	*511.4*	*478.6*
30°	*673.3*	683.4	672.0	660.0	638.5	612.0	593.0	565.8	541.2	512.7	475.4
32.5°	*657.5*	670.1	666.3	660.6	635.4	614.5	589.8	564.6	535.5	502.6	445.7
35°	*639.8*	653.1	653.7	647.4	624.6	603.8	581.0	554.4	521.6	459.6	417.9
37.5°	*624.0*	636.6	640.4	627.1	609.4	581.6	560.8	532.9	473.5	431.8	410.3
40°	*612.0*	621.5	627.1	606.3	588.6	561.4	537.4	488.7	435.0	420.4	390.1
42.5°	*599.3*	608.2	610.7	587.9	560.8	534.8	500.1	438.7	422.9	401.4	319.9
45°	*567.7*	578.5	572.1	550.0	529.8	502.6	450.8	424.2	407.1	318.0	196.6
47.5°	*426.1*	438.1	455.2	461.5	468.5	448.9	420.4	410.9	334.4	192.8	61.3
50°	*376.8*	374.9	374.9	378.1	383.7	390.1	398.3	346.4	201.0	60.1	0.0
52.5°	*153.6*	161.2	198.5	232.0	270.6	309.1	321.2	212.4	78.4	1.3	0.0
55°	*19.0*	19.0	26.6	45.5	75.2	121.4	136.6	68.3	5.7	0.0	0.0
57.5°	*0.0*	0.0	0.0	0.6	5.1	13.9	9.5	2.5	0.6	0.6	0.0
60°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
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	0.6	0.6
70°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
72.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
75°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
77.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
80°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
82.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
85°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
87.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	166.3	166.3	166.3	166.3	166.3	166.3	166.3	166.3
2.5°	217.5	209.9	199.1	167.5	140.3	116.3	102.4	95.5
5°	278.2	259.8	235.2	166.9	113.8	75.9	56.9	49.9
7.5°	336.3	315.5	273.7	164.4	87.2	44.3	24.7	19.6
10°	361.6	346.4	309.1	160.6	63.2	20.9	20.9	21.5
12.5°	371.7	360.4	330.0	154.9	41.7	20.2	21.5	20.2
15°	378.7	367.9	340.1	148.6	24.0	20.9	17.1	15.2
17.5°	382.5	369.8	343.3	136.6	15.8	17.7	10.7	8.9
20°	394.5	374.3	345.8	122.6	15.2	12.0	5.7	4.4
22.5°	414.7	383.1	346.4	105.6	12.0	7.0	1.9	0.0
25°	433.1	395.1	348.3	83.5	3.8	1.9	0.0	0.0
27.5°	*441.9*	*398.9*	*347.7*	*58.8*	*0.0*	*0.0*	*0.0*	*0.0*
30°	431.2	389.4	342.0	36.7	0.0	0.0	0.0	0.0
32.5°	405.9	382.5	324.3	15.8	0.0	0.0	0.0	0.0
35°	397.7	367.3	283.9	1.9	0.0	0.0	0.0	0.0
37.5°	379.3	323.7	208.6	0.0	0.0	0.0	0.0	0.0
40°	326.2	233.9	99.3	0.0	0.0	0.0	0.0	0.0
42.5°	215.6	99.9	5.7	0.0	0.0	0.0	0.0	0.0
45°	75.9	6.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.3	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	0.0	0.0	0.0	0.0	0.0
60°	0.6	0.6	0.6	0.6	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
65°	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0
67.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
70°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
72.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
75°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
77.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
87.5°	0.6	0.6	0.6	0.6	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)