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: P1320106

Luminaire Tested: LDSQA3D13R309840DE010 3LSQCDR1MB

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1320106
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LDSQA3D13R309840DE010 3LSQCDR1MB
Description:	3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	989.0 lumens
Efficiency:	N/A
Efficacy:	68.2 lumens/watt
Spacing Criteria (0/90/45):	0.51 / 0.51 / 0.46
Luminous Opening:	Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type:	Direct

Input Watts (W):	14.5
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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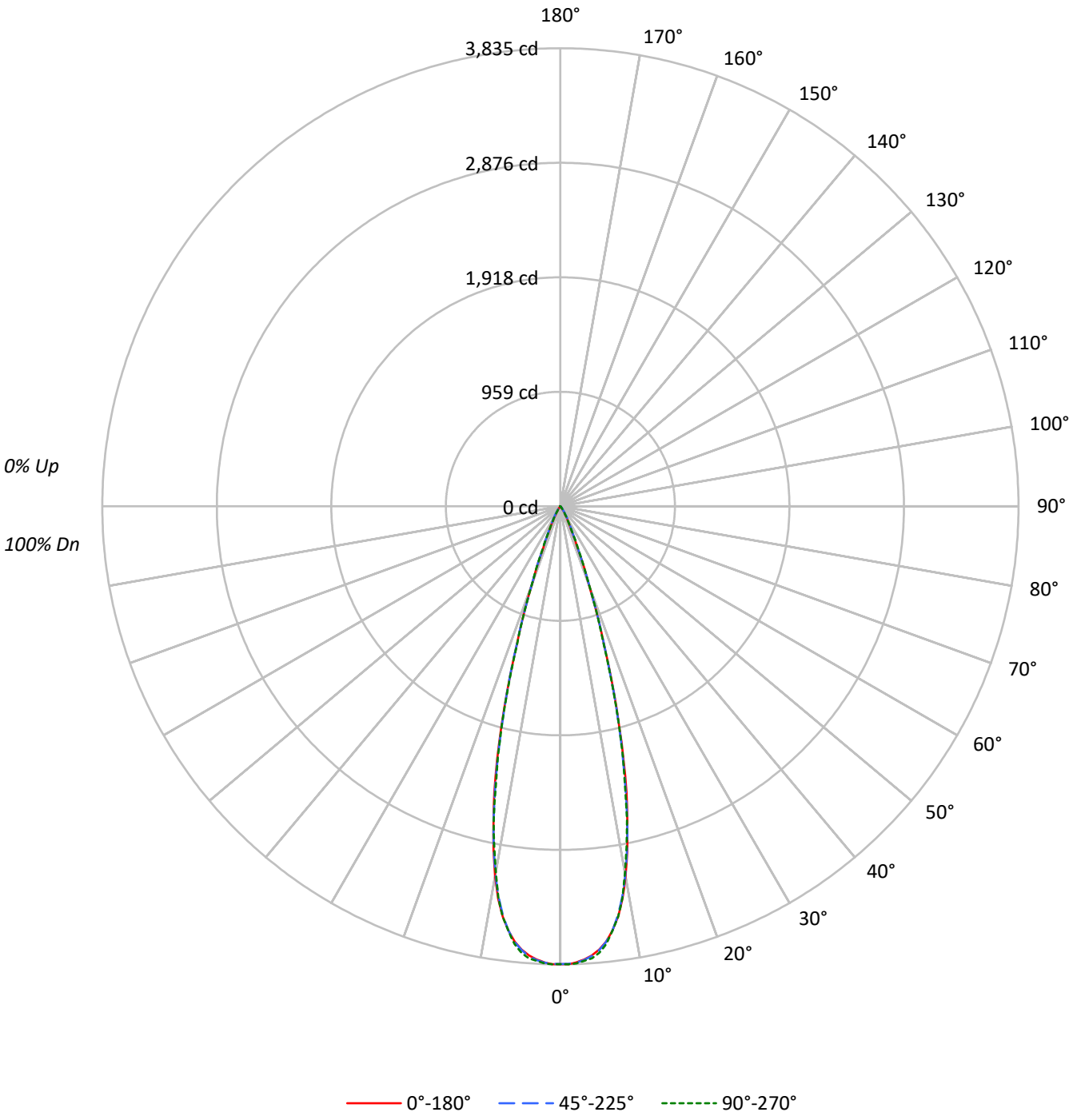
Luminous Intensity Polar Plot



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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	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	660095	660095	660095
5°	644014	644810	648388
10°	550031	547478	544242
15°	339426	335450	336680
20°	128293	128989	128843
25°	39469	43269	41217
30°	15909	20185	16526
35°	4688	8578	4857
40°	1911	3462	1911
45°	365	1120	365
50°	0	214	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
Vertical Angle: 45°
Luminance: 1120 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.1	34.2
10°-20°	500.5	50.6
20°-30°	124.1	12.6
30°-40°	23.3	2.4
40°-50°	2.9	0.3
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	962.7	97.3
0°-40°	986.0	99.7
0°-60°	989.0	100.0
0°-90°	989.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	989.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3833	3833	3833	3833	3833	
5°	3725	3724	3730	3736	3750	338
15°	1904	1885	1881	1896	1888	503
25°	208	222	228	227	217	120
35°	22	29	41	30	23	19
45°	2	2	5	3	2	2
55°	0	0	0	0	0	0
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3832.8	3832.8	3832.8	3832.8	*3832.8*
1°	*3834.4*	*3831.3*	*3831.3*	*3826.7*	*3835.1*
2°	3820.5	3817.5	3822.8	3819.0	*3829.8*
3°	3799.8	3795.9	3803.6	3805.9	*3811.3*
4°	3769.0	3765.9	3774.4	3779.0	*3793.6*
5°	3725.2	3723.6	3729.8	3735.9	*3750.5*
6°	3665.2	3662.9	3666.7	3674.4	*3683.6*
7°	3578.2	3573.6	3576.7	3578.2	*3580.5*
8°	3468.2	3461.3	3457.5	3465.9	*3470.6*
9°	3326.7	3319.0	3310.6	3307.5	*3318.3*
10°	3145.2	3133.7	3130.6	3122.9	*3112.1*
11°	2934.4	2925.2	2922.9	2909.1	*2902.9*
12°	2692.9	2688.3	2693.7	2685.2	*2682.1*
13°	2461.4	2432.2	2428.3	2412.2	*2403.7*
14°	2187.6	2160.6	2159.9	2151.4	*2162.9*
15°	1903.7	1885.3	1881.4	1896.0	*1888.3*
17.5°	1213.8	1226.1	1223.0	1215.3	*1202.2*
20°	700.0	691.5	703.8	706.9	*703.0*
22.5°	373.1	376.1	378.4	387.7	*393.8*
25°	207.7	221.5	227.7	226.9	*216.9*
27.5°	129.2	137.7	149.2	141.5	*133.1*
30°	80.0	86.9	101.5	87.7	*83.1*
32.5°	43.1	54.6	65.4	54.6	*44.6*
35°	22.3	29.2	40.8	30.0	*23.1*
37.5°	14.6	16.9	26.2	16.9	*14.6*
40°	8.5	10.8	15.4	10.8	*8.5*
42.5°	3.8	6.2	8.5	6.2	*3.8*
45°	1.5	2.3	4.6	3.1	*1.5*
47.5°	0.0	0.8	2.3	0.8	*0.0*
50°	0.0	0.0	0.8	0.0	*0.0*
52.5°	0.0	0.0	0.0	0.0	*0.0*
55°	0.0	0.0	0.0	0.0	*0.0*
57.5°	0.0	0.0	0.0	0.0	*0.0*
60°	0.0	0.0	0.0	0.0	*0.0*
62.5°	0.0	0.0	0.0	0.0	*0.0*
65°	0.0	0.0	0.0	0.0	*0.0*
67.5°	0.0	0.0	0.0	0.0	*0.0*
70°	0.0	0.0	0.0	0.0	*0.0*
72.5°	0.0	0.0	0.0	0.0	*0.0*
75°	0.0	0.0	0.0	0.0	*0.0*
77.5°	0.0	0.0	0.0	0.0	*0.0*
80°	0.0	0.0	0.0	0.0	*0.0*
82.5°	0.0	0.0	0.0	0.0	*0.0*
85°	0.0	0.0	0.0	0.0	*0.0*
87.5°	0.0	0.0	0.0	0.0	*0.0*

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	*0.0*

(END OF REPORT)