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: P1311845

Luminaire Tested: LDSQA3D20R559040D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1311845
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LDSQA3D20R559040D010 3LSQCDR1MMS
Description:	3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2369.0 lumens
Efficiency:	N/A
Efficacy:	82.3 lumens/watt
Spacing Criteria (0/90/45):	0.93 / 0.93 / 0.81
Luminous Opening:	Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type:	Direct
Input Watts (W):	28.8
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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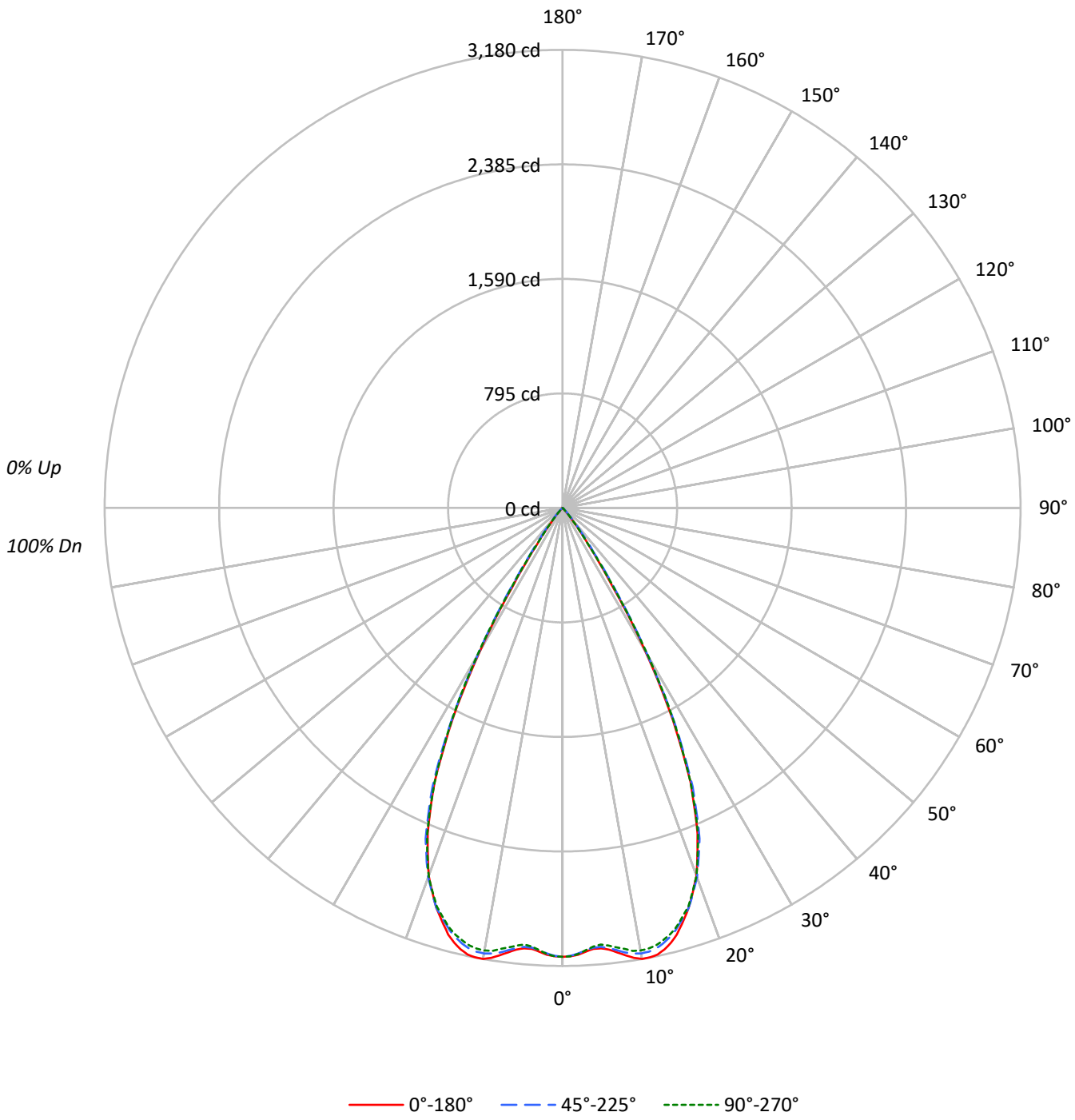
Luminous Intensity Polar Plot



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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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	536663	536663	536663
5°	530536	528962	526127
10°	556064	549384	545571
15°	546822	540992	539048
20°	498088	500086	498418
25°	399588	405821	399588
30°	229352	235139	236948
35°	65407	78779	67320
40°	16772	24123	17176
45°	1778	8427	1340
50°	0	1474	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: 8427 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.8	12.5
10°-20°	844.2	35.6
20°-30°	929.9	39.3
30°-40°	277.6	11.7
40°-50°	21.3	0.9
50°-60°	0.1	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°	2069.9	87.4
0°-40°	2347.5	99.1
0°-60°	2369.0	100.0
0°-90°	2369.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2369.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3116	3116	3116	3116	3116	
5°	3069	3063	3060	3047	3043	298
15°	3067	3045	3034	3022	3023	850
25°	2103	2103	2136	2132	2103	921
35°	311	331	375	342	320	257
45°	7	18	35	18	6	14
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°	*3116.1*	3116.1	3116.1	3116.1	3116.1
1°	*3114.2*	3114.2	3110.6	3108.8	3114.2
2°	*3105.1*	3105.1	3096.0	3094.2	3099.7
3°	*3085.1*	3083.3	3076.0	3070.6	3074.2
4°	*3068.8*	3065.1	3059.7	3050.6	3052.4
5°	*3068.8*	3063.3	3059.7	3046.9	3043.3
6°	*3083.3*	3079.7	3072.4	3059.7	3056.0
7°	*3108.8*	3101.5	3094.2	3077.9	3074.2
8°	*3136.1*	3130.6	3116.1	3099.7	3092.4
9°	*3163.3*	3150.6	3132.4	3116.1	3114.2
10°	*3179.7*	*3161.5*	*3141.5*	*3121.5*	*3119.7*
11°	*3177.9*	3161.5	3137.9	3119.7	3117.9
12°	*3170.6*	3147.0	3127.0	3105.1	3107.0
13°	*3145.2*	3123.3	3103.3	3086.9	3083.3
14°	*3110.6*	3090.6	3072.4	3056.0	3057.8
15°	*3066.9*	3045.1	3034.2	3021.5	3023.3
17.5°	*2912.3*	2906.9	2912.3	2897.8	2903.2
20°	*2717.7*	2712.2	2728.6	2721.3	2719.5
22.5°	*2446.6*	2453.9	2484.8	2475.7	2459.4
25°	*2102.8*	2102.8	2135.6	2131.9	2102.8
27.5°	*1655.3*	1668.1	1688.1	1697.2	1675.4
30°	*1153.3*	1182.4	1182.4	1200.6	1191.5
32.5°	*643.9*	705.8	720.3	729.4	693.1
35°	*311.1*	331.1	374.7	342.0	320.2
37.5°	*149.2*	158.3	201.9	163.7	152.8
40°	*74.6*	85.5	107.3	89.1	76.4
42.5°	*30.9*	45.5	56.4	45.5	30.9
45°	*7.3*	18.2	34.6	18.2	5.5
47.5°	*0.0*	1.8	16.4	3.6	0.0
50°	*0.0*	0.0	5.5	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)