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: P1316864

Luminaire Tested: LDSQA3D20R209740D010 3LSQPHR1MMS

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1316864
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LDSQA3D20R209740D010 3LSQPHR1MMS
Description:	3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQPHR1MMS TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1838.0 lumens
Efficiency:	N/A
Efficacy:	63.8 lumens/watt
Spacing Criteria (0/90/45):	0.35 / 0.36 / 0.33
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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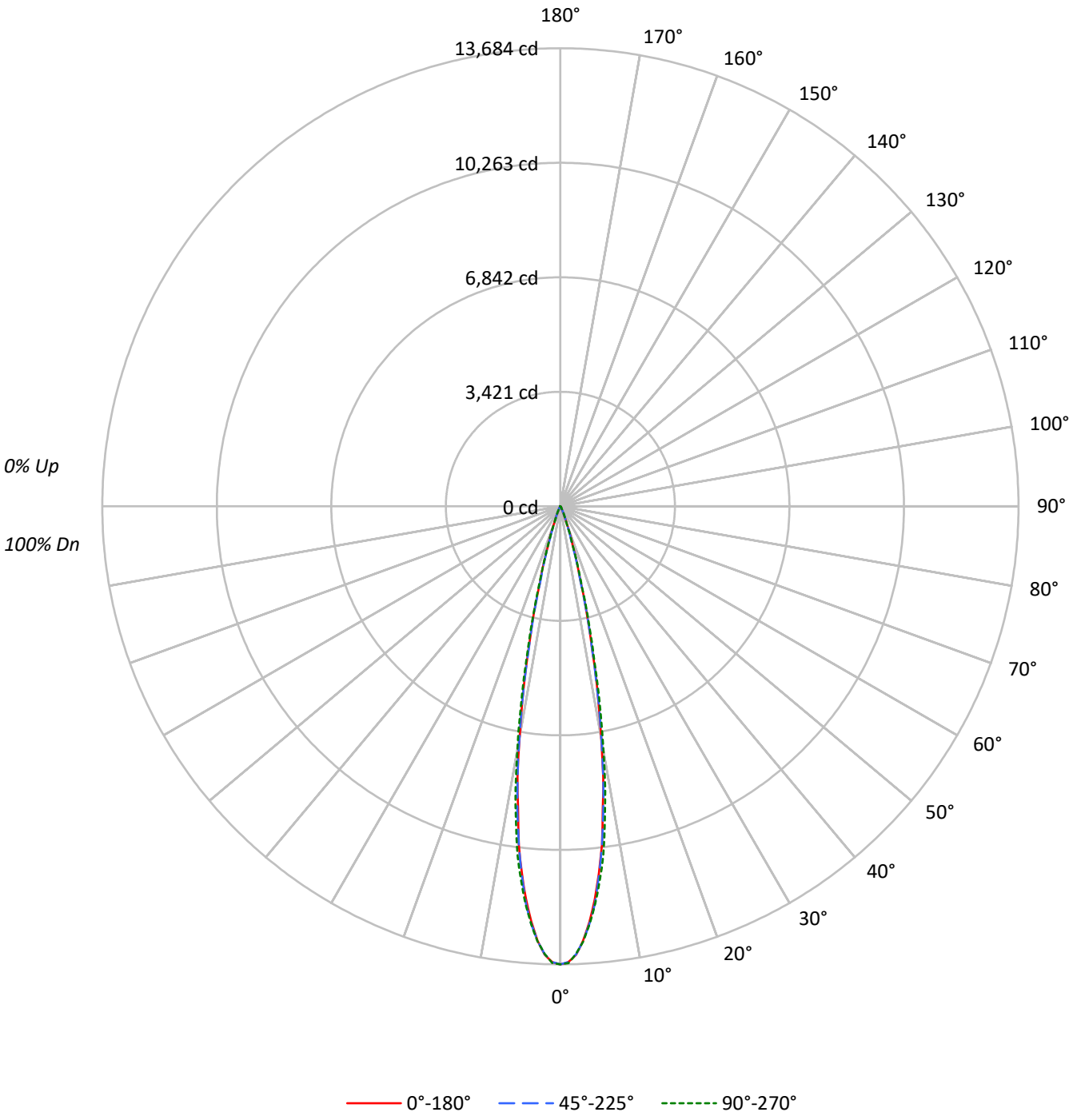
Luminous Intensity Polar Plot



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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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2356764	2356764	2356764
5°	2035979	2054944	2062585
10°	1225625	1237080	1298655
15°	423921	414008	446993
20°	111340	104742	105035
25°	24266	29245	33293
30°	10421	10421	10739
35°	5845	5172	5508
40°	2585	2945	3305
45°	804	1193	1193
50°	429	429	429
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: 22.5°
Vertical Angle: 45°
Luminance: 1193 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	978.8	53.3
10°-20°	745.2	40.5
20°-30°	92.1	5.0
30°-40°	17.4	0.9
40°-50°	4.2	0.2
50°-60°	0.3	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°	1816.1	98.8
0°-40°	1833.5	99.8
0°-60°	1838.0	100.0
0°-90°	1838.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1838.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13684	13684	13684	13684	13684	
5°	11777	11769	11886	11878	11931	971
15°	2378	2292	2322	2461	2507	745
25°	128	146	154	160	175	88
35°	28	28	25	26	26	18
45°	3	5	5	5	5	3
55°	0	0	0	0	0	1
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°	13684.4	13684.4	13684.4	13684.4	13684.4
1°	13620.6	13604.2	13617.3	13589.5	13646.8
2°	13402.8	13386.4	13386.4	13370.1	13378.2
3°	12996.7	13022.9	13006.5	12972.1	13016.4
4°	12443.2	12472.7	12498.9	12500.5	12507.1
5°	11776.8	11768.6	11886.5	11878.3	11930.7
6°	11017.0	11007.2	11057.9	11143.1	11247.9
7°	10181.9	10062.3	10198.2	10370.2	10511.0
8°	9101.1	9132.2	9225.6	9428.6	9541.6
9°	8184.1	8002.4	8200.5	8442.9	8565.7
10°	7008.4	6861.1	7073.9	7329.4	7426.0
12.5°	4411.4	4283.7	4352.4	4621.0	4663.6
15°	2377.6	2292.5	2322.0	2461.1	2507.0
17.5°	1213.4	1136.4	1120.0	1208.5	1218.3
20°	607.5	589.5	571.5	579.7	573.1
22.5°	281.6	306.2	302.9	286.6	306.2
25°	127.7	145.7	153.9	160.5	175.2
27.5°	78.6	75.3	86.8	93.3	95.0
30°	52.4	50.8	52.4	54.0	54.0
32.5°	37.7	36.0	34.4	34.4	36.0
35°	27.8	27.8	24.6	26.2	26.2
37.5°	19.6	19.6	18.0	19.6	19.6
40°	11.5	13.1	13.1	13.1	14.7
42.5°	6.5	8.2	8.2	8.2	8.2
45°	3.3	4.9	4.9	4.9	4.9
47.5°	1.6	1.6	1.6	3.3	3.3
50°	1.6	1.6	1.6	1.6	1.6
52.5°	1.6	0.0	0.0	0.0	1.6
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)