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: P1308239

Luminaire Tested: LDSQA3D17R159027DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1308239
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LDSQA3D17R159027DE010 3LSQPHR1MMS
Description:	3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , 3LSQPHR1MMS TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1202.0 lumens
Efficiency:	N/A
Efficacy:	56.7 lumens/watt
Spacing Criteria (0/90/45):	0.28 / 0.29 / 0.28
Luminous Opening:	Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type:	Direct
Input Watts (W):	21.2
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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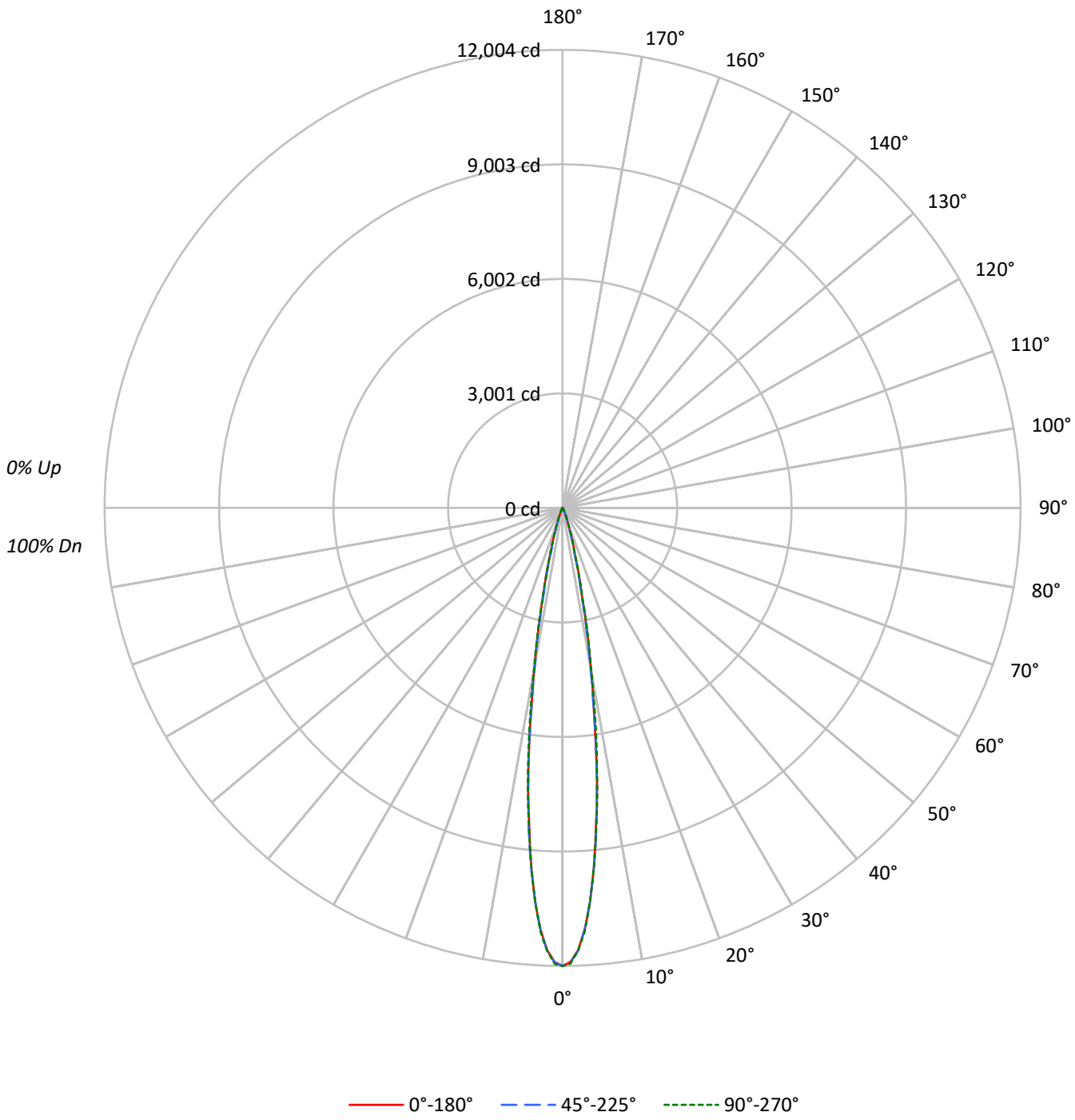
Luminous Intensity Polar Plot



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2067412	2067412	2067412
5°	1630782	1635138	1629330
10°	746088	726537	761862
15°	221838	198053	217327
20°	65869	63890	69187
25°	18737	24209	21701
30°	6702	7179	6463
35°	2523	2271	2271
40°	1079	540	809
45°	585	292	585
50°	322	0	322
55°	360	0	360
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: 0°
Vertical Angle: 47.5°
Luminance: 612 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	725.3	60.3
10°-20°	402.7	33.5
20°-30°	64.1	5.3
30°-40°	8.4	0.7
40°-50°	1.2	0.1
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°	1192.1	99.2
0°-40°	1200.5	99.9
0°-60°	1202.0	100.0
0°-90°	1202.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1202.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12004	12004	12004	12004	12004	
5°	9433	9512	9458	9418	9425	724
15°	1244	1228	1111	1180	1219	410
25°	99	111	127	127	114	60
35°	12	12	11	12	11	9
45°	2	2	1	1	2	2
55°	1	0	0	0	1	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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	12004.3	12004.3	12004.3	12004.3	12004.3	12004.3	12004.3	12004.3	12004.3	12004.3	12004.3
1°	11900.9	11914.2	11931.0	11915.4	11900.9	11914.2	11896.1	11898.5	11884.1	11915.4	11950.2
2°	11598.0	11614.8	11605.2	11583.6	11617.2	11619.6	11582.4	11564.4	11561.9	11593.2	11605.2
3°	11061.9	11100.3	11101.5	11094.3	11083.5	11061.9	11023.4	11048.6	11013.8	10992.1	11114.8
4°	10349.0	10382.7	10422.3	10395.9	10316.6	10323.8	10349.0	10263.7	10268.5	10317.8	10321.4
5°	9433.0	9535.2	9540.0	9502.7	9440.2	9458.2	9440.2	9416.2	9424.6	9455.8	9424.6
6°	8354.7	8470.1	8384.8	8466.5	8448.5	8471.3	8477.3	8452.1	8470.1	8450.9	8444.9
7°	7423.1	7335.3	7347.3	7313.7	7349.7	7373.8	7388.2	7344.9	7379.8	7435.1	7450.7
8°	6267.8	6242.6	6217.3	6277.4	6260.6	6289.5	6307.5	6355.6	6353.2	6370.0	6425.3
9°	5167.9	5205.2	5228.0	5175.1	5220.8	5131.8	5163.1	5291.7	5258.1	5291.7	5390.3
10°	4266.3	4296.4	4262.7	4261.5	4213.4	4154.5	4150.9	4199.0	4300.0	4379.3	4356.5
12.5°	2353.7	2380.2	2383.8	2381.4	2294.8	2197.5	2215.5	2254.0	2316.5	2342.9	2386.2
15°	1244.2	1243.0	1256.2	1218.9	1173.3	1110.8	1115.6	1168.5	1215.3	1227.4	1218.9
17.5°	638.3	640.7	650.3	640.7	592.6	598.7	611.9	617.9	645.5	656.4	650.3
20°	359.4	360.6	359.4	363.0	343.8	348.6	365.4	366.6	372.7	378.7	377.5
22.5°	205.6	206.8	214.0	211.6	206.8	212.8	216.4	222.4	224.8	222.4	229.6
25°	98.6	99.8	99.8	114.2	121.4	127.4	129.8	127.4	125.0	115.4	114.2
27.5°	56.5	56.5	58.9	60.1	62.5	73.3	72.1	60.1	50.5	50.5	51.7
30°	33.7	32.5	32.5	33.7	34.9	36.1	33.7	32.5	32.5	33.7	32.5
32.5°	20.4	20.4	20.4	19.2	19.2	18.0	18.0	20.4	20.4	20.4	20.4
35°	12.0	12.0	12.0	12.0	10.8	10.8	10.8	12.0	12.0	10.8	10.8
37.5°	7.2	7.2	7.2	6.0	6.0	4.8	6.0	6.0	6.0	6.0	6.0
40°	4.8	4.8	3.6	3.6	2.4	2.4	2.4	3.6	3.6	3.6	3.6
42.5°	3.6	3.6	2.4	2.4	1.2	1.2	1.2	2.4	2.4	2.4	2.4
45°	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4
47.5°	2.4	2.4	1.2	1.2	0.0	0.0	0.0	1.2	1.2	1.2	1.2
50°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
52.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
55°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	1.2	0.0	0.0	0.0	0.0	0.0	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	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	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)