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: P1324198

Luminaire Tested: LDSQA3D05R15W2N902750DE010 3LSQPHR1MW_4000K

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1324198
	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:	LDSQA3D05R15W2N902750DE010 3LSQPHR1MW_4000K
Description:	3in Adjustable Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	401.0 lumens
Efficiency:	N/A
Efficacy:	68.0 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):	5.9
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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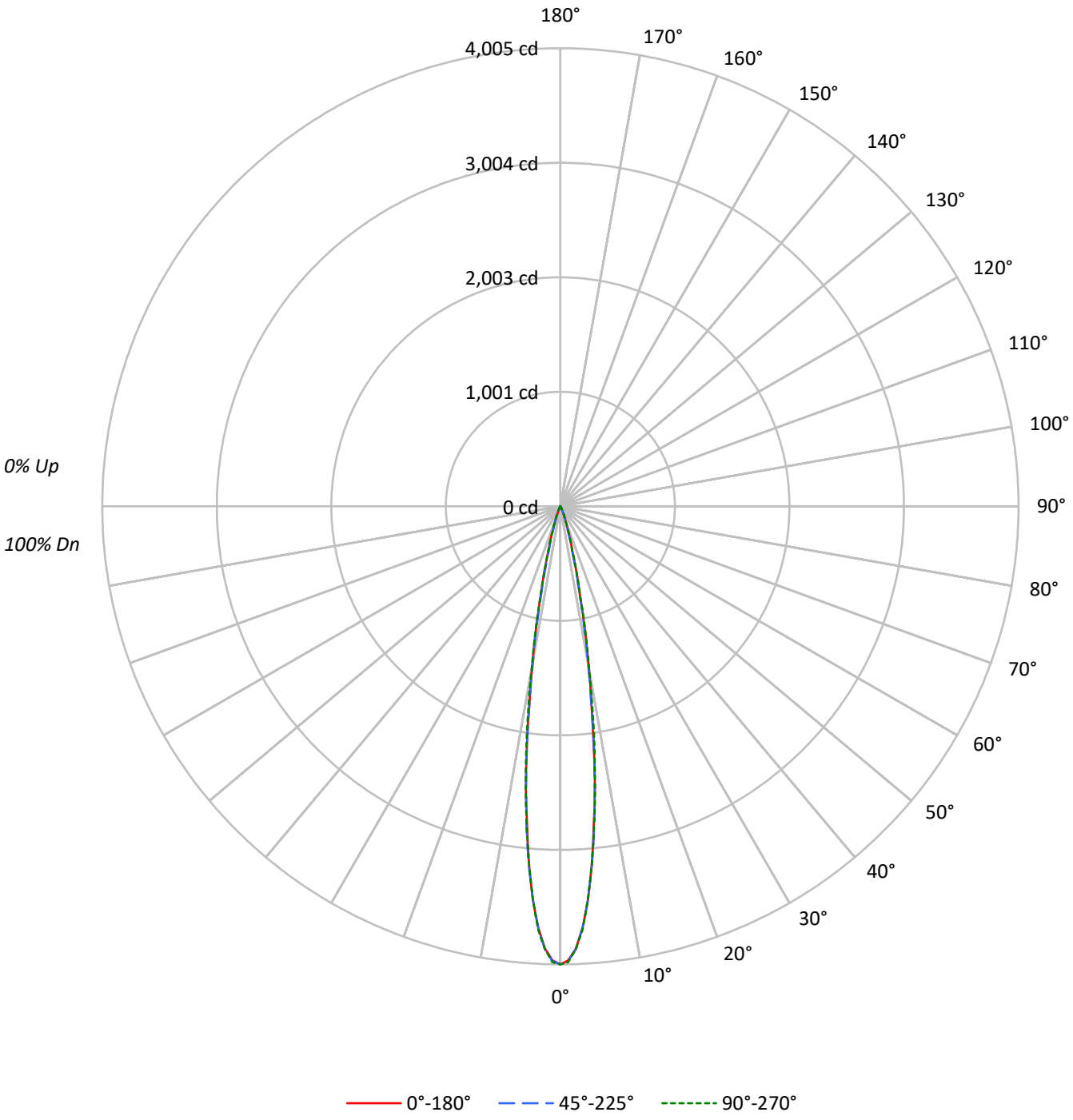
Luminous Intensity Polar Plot



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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	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°	689717	689717	689717
5°	544038	545507	543554
10°	248906	242383	254170
15°	74011	66077	72514
20°	21975	21315	23074
25°	6252	8076	7240
30°	2227	2386	2148
35°	841	757	757
40°	360	180	270
45°	195	97	195
50°	107	0	107
55°	120	0	120
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: 204 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.0	60.3
10°-20°	134.3	33.5
20°-30°	21.4	5.3
30°-40°	2.8	0.7
40°-50°	0.4	0.1
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°	397.7	99.2
0°-40°	400.5	99.9
0°-60°	401.0	100.0
0°-90°	401.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	401.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4005	4005	4005	4005	4005	
5°	3147	3173	3155	3142	3144	241
15°	415	410	371	394	407	137
25°	33	37	42	42	38	20
35°	4	4	4	4	4	3
45°	1	0	0	0	1	1
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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4004.8	4004.8	4004.8	4004.8	4004.8	4004.8	4004.8	4004.8	4004.8	4004.8	4004.8
1°	3970.3	3974.7	3980.3	3975.1	3970.3	3974.7	3968.7	3969.5	3964.7	3975.1	3986.7
2°	3869.2	3874.8	3871.6	3864.4	3875.6	3876.4	3864.0	3858.0	3857.2	3867.6	3871.6
3°	3690.4	3703.2	3703.6	3701.2	3697.6	3690.4	3677.5	3685.9	3674.3	3667.1	3708.0
4°	3452.5	3463.8	3477.0	3468.2	3441.7	3444.1	3452.5	3424.1	3425.7	3442.1	3443.3
5°	3146.9	3181.0	3182.6	3170.2	3149.4	3155.4	3149.4	3141.3	3144.1	3154.6	3144.1
6°	2787.2	2825.7	2797.2	2824.5	2818.5	2826.1	2828.1	2819.7	2825.7	2819.3	2817.3
7°	2476.4	2447.1	2451.1	2439.9	2451.9	2460.0	2464.8	2450.3	2462.0	2480.4	2485.6
8°	2091.0	2082.6	2074.2	2094.2	2088.6	2098.2	2104.2	2120.3	2119.5	2125.1	2143.6
9°	1724.1	1736.5	1744.1	1726.5	1741.7	1712.0	1722.5	1765.4	1754.1	1765.4	1798.3
10°	1423.3	1433.3	1422.1	1421.7	1405.6	1386.0	1384.8	1400.8	1434.5	1461.0	1453.4
12.5°	785.2	794.1	795.3	794.5	765.6	733.1	739.1	751.9	772.8	781.6	796.1
15°	415.1	414.7	419.1	406.7	391.4	370.6	372.2	389.8	405.4	409.5	406.7
17.5°	213.0	213.8	217.0	213.8	197.7	199.7	204.1	206.1	215.4	219.0	217.0
20°	119.9	120.3	119.9	121.1	114.7	116.3	121.9	122.3	124.3	126.3	125.9
22.5°	68.6	69.0	71.4	70.6	69.0	71.0	72.2	74.2	75.0	74.2	76.6
25°	32.9	33.3	33.3	38.1	40.5	42.5	43.3	42.5	41.7	38.5	38.1
27.5°	18.8	18.8	19.7	20.1	20.9	24.5	24.1	20.1	16.8	16.8	17.2
30°	11.2	10.8	10.8	11.2	11.6	12.0	11.2	10.8	10.8	11.2	10.8
32.5°	6.8	6.8	6.8	6.4	6.4	6.0	6.0	6.8	6.8	6.8	6.8
35°	4.0	4.0	4.0	4.0	3.6	3.6	3.6	4.0	4.0	3.6	3.6
37.5°	2.4	2.4	2.4	2.0	2.0	1.6	2.0	2.0	2.0	2.0	2.0
40°	1.6	1.6	1.2	1.2	0.8	0.8	0.8	1.2	1.2	1.2	1.2
42.5°	1.2	1.2	0.8	0.8	0.4	0.4	0.4	0.8	0.8	0.8	0.8
45°	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
47.5°	0.8	0.8	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.4	0.4
50°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
52.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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	0.4	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)