

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: P1312236

Luminaire Tested: LDSQA3D05R259050DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312236
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R259050DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

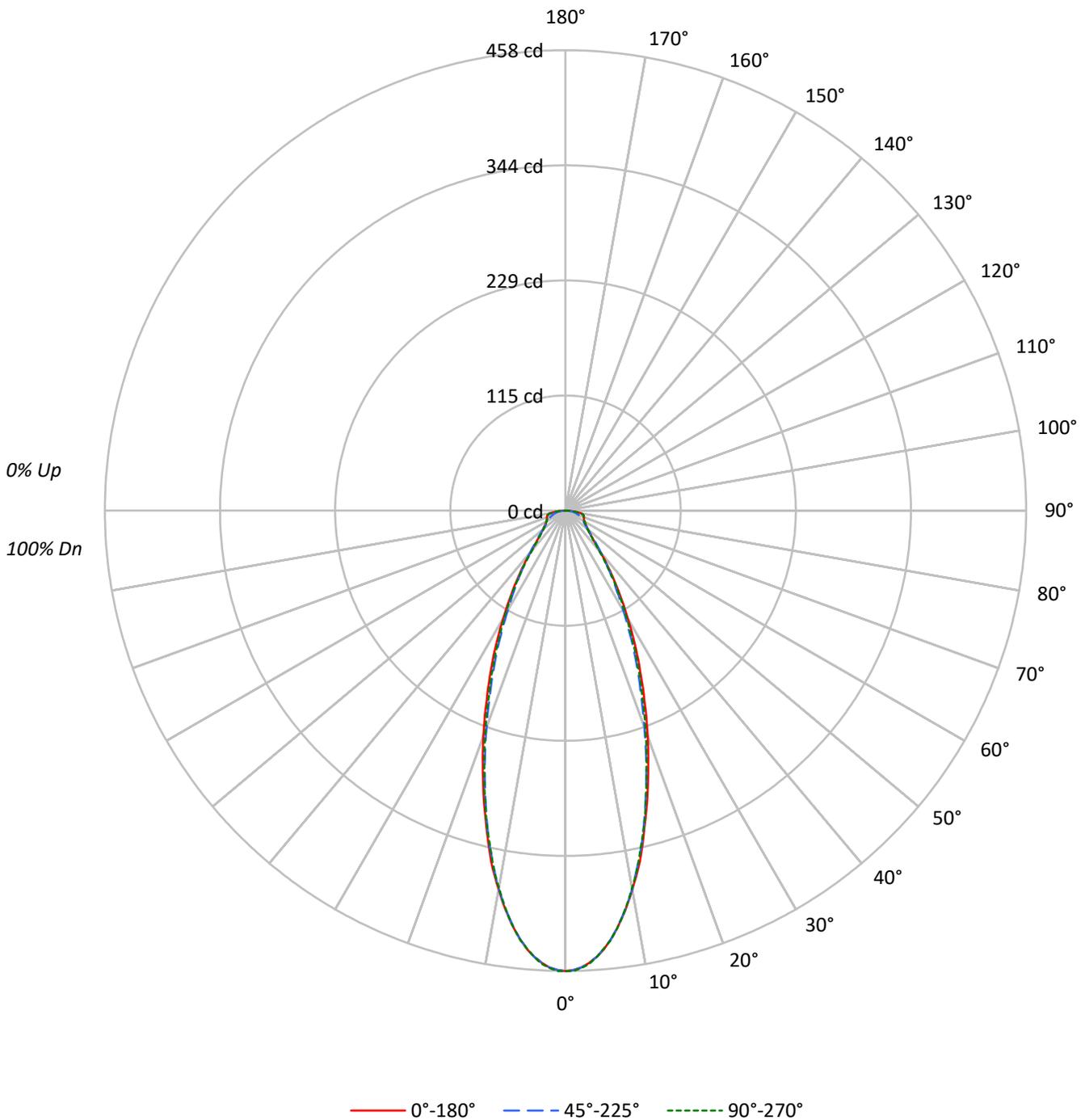
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 346.0 lumens
Efficiency: N/A
Efficacy: 48.1 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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				
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	102	96	91	87	93	89	85	89	86	83	87	84	81	81	81	81	80
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	74	74	74	72
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	63	63	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	59	66	62	58	58	58	58	56
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	62	58	54	54	54	54	53
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	60	53	49	69	59	53	48	58	52	48	57	52	48	56	51	48	48	48	48	46
10	67	56	50	46	66	56	50	46	55	49	46	54	49	45	53	49	45	45	45	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	78895	78895	78895
5°	75704	75618	75618
10°	66926	66821	66629
15°	55272	54488	54773
20°	43785	41988	42685
25°	33350	31582	32419
30°	24580	22830	23804
35°	17576	16778	17009
40°	12050	12298	11668
45°	8914	9450	8793
50°	7770	7770	7609
55°	7386	7056	7386
60°	7543	6958	7543
65°	8232	7131	8232
70°	9920	7150	9618
75°	12377	7652	12377
80°	15769	8133	14679
85°	13042	7509	13042

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 15769 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	11.6
10°-20°	84.9	24.6
20°-30°	77.8	22.5
30°-40°	51.3	14.8
40°-50°	29.9	8.6
50°-60°	21.8	6.3
60°-70°	18.5	5.4
70°-80°	15.3	4.4
80°-90°	6.3	1.8
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°	202.8	58.6
0°-40°	254.1	73.4
0°-60°	305.8	88.4
0°-90°	346.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	346.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	458	458	458	458	458	
5°	438	437	437	438	437	40
15°	310	309	306	307	307	86
25°	176	171	166	167	171	81
35°	84	82	80	80	81	53
45°	37	38	39	37	36	30
55°	25	25	24	24	25	22
65°	20	19	18	19	20	20
75°	19	14	12	14	19	19
85°	7	7	4	7	7	7
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	458.1	458.1	458.1	458.1	458.1
1°	457.0	457.0	457.0	457.0	458.1
2°	454.8	454.3	454.8	454.8	455.4
3°	450.5	450.5	450.5	450.5	451.6
4°	445.0	445.0	445.0	445.0	445.0
5°	437.9	437.4	437.4	437.9	437.4
6°	429.2	429.2	429.2	429.2	429.7
7°	419.3	418.8	418.8	418.2	419.3
8°	407.8	407.8	407.3	406.7	407.8
9°	395.8	396.4	395.3	394.7	394.7
10°	382.7	382.1	382.1	382.1	381.0
11°	369.6	367.9	367.4	367.4	368.5
12°	356.4	353.7	352.6	352.6	352.6
13°	340.6	339.5	337.9	336.8	337.3
14°	324.7	324.7	322.0	322.0	323.1
15°	310.0	308.9	305.6	306.7	307.2
17.5°	273.3	271.2	267.3	267.3	267.9
20°	238.9	235.1	229.1	231.8	232.9
22.5°	205.0	201.2	195.2	197.9	199.0
25°	175.5	170.6	166.2	166.7	170.6
27.5°	148.7	143.2	138.9	140.5	142.7
30°	123.6	120.3	114.8	117.5	119.7
32.5°	102.2	99.5	95.7	97.3	99.5
35°	83.6	82.0	79.8	79.8	80.9
37.5°	67.8	67.2	66.1	65.6	65.1
40°	53.6	54.7	54.7	53.6	51.9
42.5°	43.7	44.8	45.9	43.7	42.1
45°	36.6	37.7	38.8	36.6	36.1
47.5°	32.3	32.8	33.3	32.3	31.7
50°	29.0	29.0	29.0	28.4	28.4
52.5°	26.8	26.2	25.7	26.2	26.2
55°	24.6	24.6	23.5	24.1	24.6
57.5°	23.0	22.4	21.9	22.4	23.0
60°	21.9	20.8	20.2	20.8	21.9
62.5°	20.8	19.7	18.6	19.7	20.8
65°	20.2	18.6	17.5	18.6	20.2
67.5°	19.7	17.5	15.9	17.5	19.7
70°	19.7	16.4	14.2	16.4	19.1
72.5°	19.1	15.3	13.1	15.3	19.1
75°	18.6	14.2	11.5	14.2	18.6
77.5°	18.0	13.1	9.8	13.1	17.5
80°	15.9	12.0	8.2	12.0	14.8
82.5°	11.5	9.8	6.6	9.8	10.9
85°	6.6	7.1	3.8	7.1	6.6
87.5°	1.1	1.6	1.1	2.7	2.2



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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)