

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: P1308928

Luminaire Tested: LDSQA3D05R309030DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308928
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309030DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

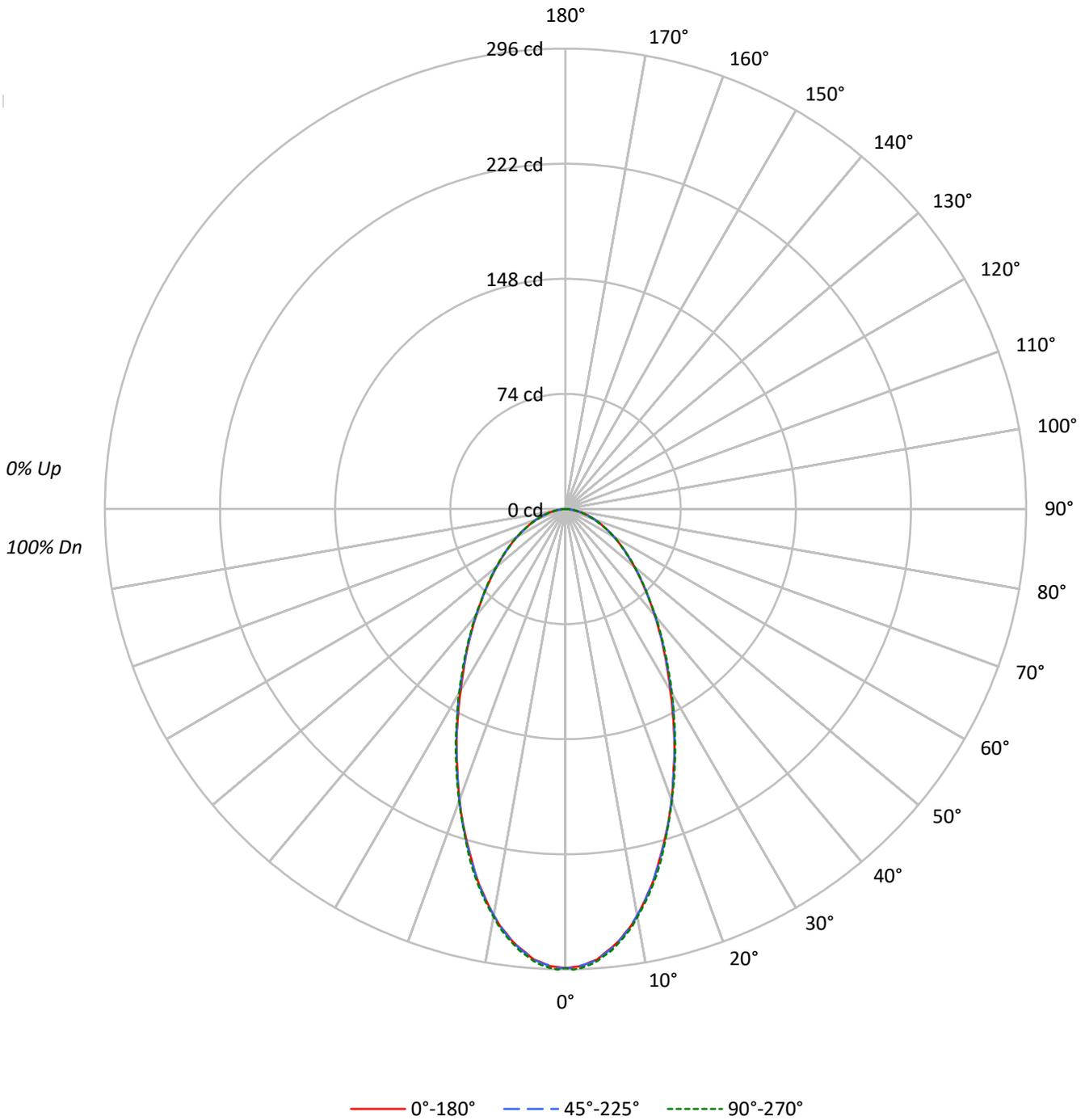
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 379.0 lumens
Efficiency: N/A
Efficacy: 52.6 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
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	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	79	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	70	70	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	50840	50840	50840
5°	49582	49669	49841
10°	46396	46396	46570
15°	41597	41686	41971
20°	36508	36508	36600
25°	31487	31487	31677
30°	26787	27105	27205
35°	23148	23253	23358
40°	20032	20144	20279
45°	17488	17609	17609
50°	15460	15460	15594
55°	13842	13842	13842
60°	12469	12469	12469
65°	11125	11125	11125
70°	10021	10021	10021
75°	9050	8717	8717
80°	7835	7240	7240
85°	5138	5138	5138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 17609 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.7	7.1
10°-20°	65.2	17.2
20°-30°	76.1	20.1
30°-40°	69.3	18.3
40°-50°	55.9	14.8
50°-60°	41.3	10.9
60°-70°	27.2	7.2
70°-80°	14.1	3.7
80°-90°	3.2	0.8
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°	168.0	44.3
0°-40°	237.3	62.6
0°-60°	334.5	88.3
0°-90°	379.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	379.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	295	295	295	295	295	
5°	287	287	287	287	288	27
15°	233	234	234	234	235	65
25°	166	165	166	166	167	76
35°	110	110	111	111	111	69
45°	72	72	72	72	72	56
55°	46	46	46	46	46	41
65°	27	27	27	27	27	27
75°	14	13	13	13	13	14
85°	3	3	3	3	3	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	295.2	295.2	295.2	295.2	295.2
1°	294.6	294.6	295.2	294.6	296.2
2°	294.1	293.6	293.6	293.6	295.2
3°	292.0	292.0	292.5	292.0	293.6
4°	290.4	289.9	290.4	289.9	291.5
5°	286.8	286.8	287.3	287.3	288.3
6°	283.6	283.6	284.1	283.6	285.2
7°	280.0	280.0	280.0	280.0	281.0
8°	275.2	275.2	275.8	275.8	276.8
9°	271.0	270.5	270.5	270.5	272.1
10°	265.3	265.3	265.3	265.3	266.3
11°	259.5	259.5	259.5	259.5	260.6
12°	253.2	253.2	253.7	253.2	254.8
13°	247.5	247.5	247.5	247.5	248.5
14°	240.6	240.1	240.6	240.6	242.2
15°	233.3	233.8	233.8	233.8	235.4
17.5°	216.5	216.5	217.0	216.0	217.0
20°	199.2	198.7	199.2	199.2	199.7
22.5°	181.4	181.9	181.9	181.9	183.0
25°	165.7	165.1	165.7	165.7	166.7
27.5°	149.4	149.9	150.5	149.9	151.0
30°	134.7	135.8	136.3	135.3	136.8
32.5°	121.6	121.6	122.2	122.7	123.2
35°	110.1	109.6	110.6	110.6	111.1
37.5°	99.1	99.1	99.1	99.6	100.1
40°	89.1	89.1	89.6	89.6	90.2
42.5°	80.2	79.7	80.2	80.2	80.2
45°	71.8	72.3	72.3	72.3	72.3
47.5°	64.5	64.5	65.0	64.5	65.0
50°	57.7	57.7	57.7	57.7	58.2
52.5°	51.4	51.4	51.4	51.4	51.9
55°	46.1	45.6	46.1	45.6	46.1
57.5°	40.9	40.9	40.9	40.9	40.9
60°	36.2	35.6	36.2	35.6	36.2
62.5°	31.5	31.5	31.5	31.5	31.5
65°	27.3	27.3	27.3	27.3	27.3
67.5°	23.6	23.6	23.6	23.1	23.1
70°	19.9	19.9	19.9	19.9	19.9
72.5°	16.8	16.3	16.3	16.3	16.3
75°	13.6	13.1	13.1	13.1	13.1
77.5°	10.5	10.5	10.0	10.0	10.5
80°	7.9	7.3	7.3	7.3	7.3
82.5°	4.7	4.7	4.7	4.7	4.7
85°	2.6	2.6	2.6	2.6	2.6
87.5°	0.5	0.5	0.5	1.0	1.0



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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)