

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: P1316275

Luminaire Tested: LDSQA3D05R309740DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316275
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: LDSQA3D05R309740DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

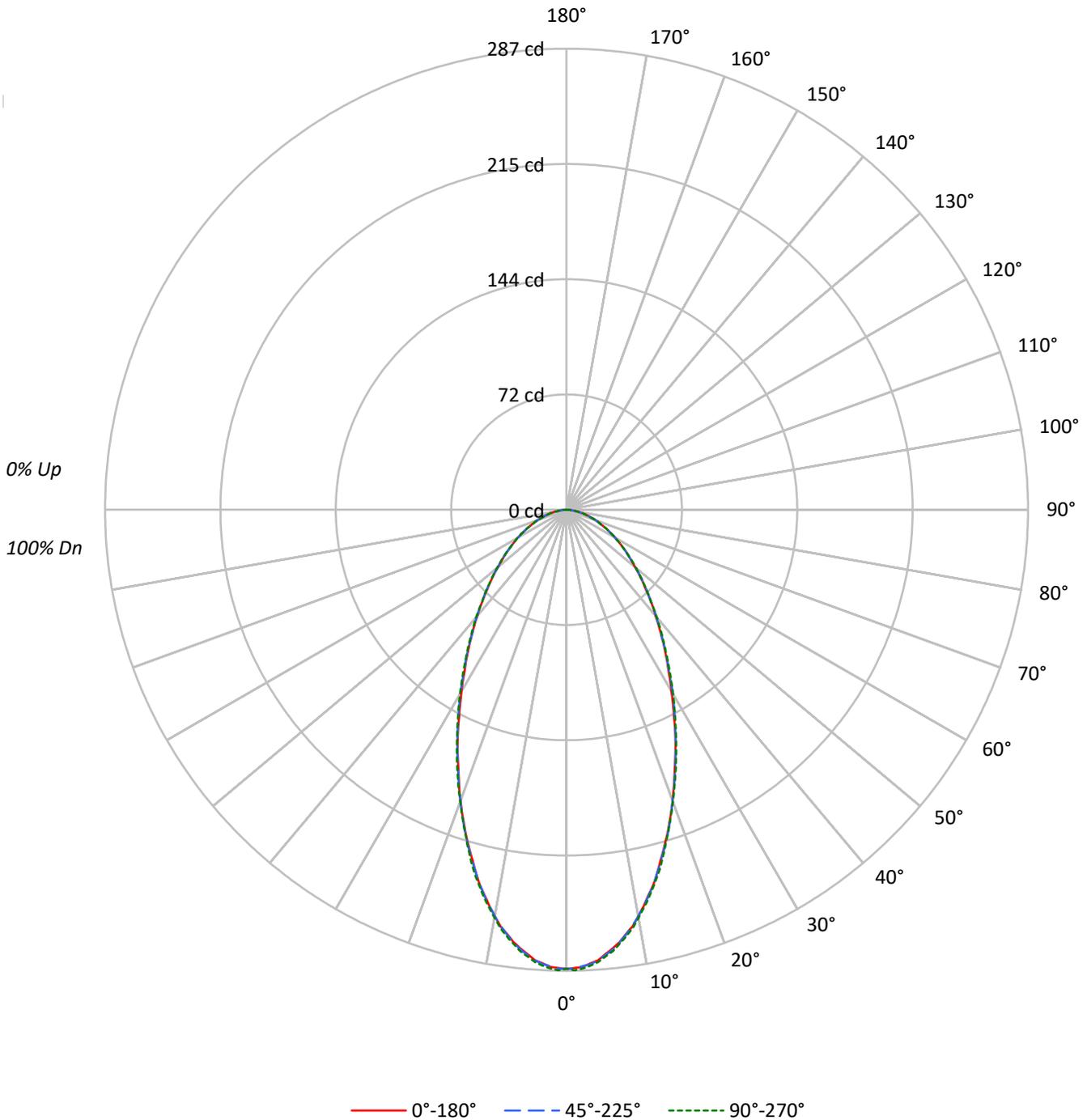
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 367.0 lumens
Efficiency: N/A
Efficacy: 51.0 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°	49221	49221	49221
5°	48009	48095	48268
10°	44927	44927	45101
15°	40278	40367	40634
20°	35354	35354	35445
25°	30480	30480	30670
30°	25952	26250	26350
35°	22412	22517	22622
40°	19402	19514	19627
45°	16927	17074	17074
50°	14951	14951	15111
55°	13422	13422	13422
60°	12056	12056	12056
65°	10758	10758	10758
70°	9718	9718	9718
75°	8784	8451	8451
80°	7538	7042	7042
85°	4940	4940	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 17074 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.9	7.1
10°-20°	63.1	17.2
20°-30°	73.7	20.1
30°-40°	67.1	18.3
40°-50°	54.2	14.8
50°-60°	40.0	10.9
60°-70°	26.3	7.2
70°-80°	13.6	3.7
80°-90°	3.1	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°	162.7	44.3
0°-40°	229.8	62.6
0°-60°	324.0	88.3
0°-90°	367.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	367.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	286	286	286	286	286	
5°	278	278	278	278	279	26
15°	226	226	226	226	228	63
25°	160	160	160	160	161	74
35°	107	106	107	107	108	67
45°	70	70	70	70	70	54
55°	45	44	45	44	45	40
65°	26	26	26	26	26	26
75°	13	13	13	13	13	14
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	285.8	285.8	285.8	285.8	285.8
1°	285.3	285.3	285.8	285.3	286.8
2°	284.8	284.3	284.3	284.3	285.8
3°	282.8	282.8	283.3	282.8	284.3
4°	281.2	280.7	281.2	280.7	282.3
5°	277.7	277.7	278.2	278.2	279.2
6°	274.6	274.6	275.2	274.6	276.2
7°	271.1	271.1	271.1	271.1	272.1
8°	266.5	266.5	267.0	267.0	268.0
9°	262.5	262.0	262.0	262.0	263.5
10°	256.9	256.9	256.9	256.9	257.9
11°	251.3	251.3	251.3	251.3	252.3
12°	245.2	245.2	245.7	245.2	246.7
13°	239.6	239.6	239.6	239.6	240.6
14°	233.0	232.5	233.0	233.0	234.5
15°	225.9	226.4	226.4	226.4	227.9
17.5°	209.7	209.7	210.2	209.2	210.2
20°	192.9	192.4	192.9	192.9	193.4
22.5°	175.7	176.2	176.2	176.2	177.2
25°	160.4	159.9	160.4	160.4	161.4
27.5°	144.7	145.2	145.7	145.2	146.2
30°	130.5	131.5	132.0	131.0	132.5
32.5°	117.8	117.8	118.3	118.8	119.3
35°	106.6	106.1	107.1	107.1	107.6
37.5°	95.9	95.9	95.9	96.5	97.0
40°	86.3	86.3	86.8	86.8	87.3
42.5°	77.7	77.2	77.7	77.7	77.7
45°	69.5	70.1	70.1	70.1	70.1
47.5°	62.4	62.4	62.9	62.4	62.9
50°	55.8	55.8	55.8	55.8	56.4
52.5°	49.8	49.8	49.8	49.8	50.3
55°	44.7	44.2	44.7	44.2	44.7
57.5°	39.6	39.6	39.6	39.6	39.6
60°	35.0	34.5	35.0	34.5	35.0
62.5°	30.5	30.5	30.5	30.5	30.5
65°	26.4	26.4	26.4	26.4	26.4
67.5°	22.8	22.8	22.8	22.3	22.3
70°	19.3	19.3	19.3	19.3	19.3
72.5°	16.2	15.7	15.7	15.7	15.7
75°	13.2	12.7	12.7	12.7	12.7
77.5°	10.2	10.2	9.6	9.6	10.2
80°	7.6	7.1	7.1	7.1	7.1
82.5°	4.6	4.6	4.6	4.6	4.6
85°	2.5	2.5	2.5	2.5	2.5
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)