

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: P1306821

Luminaire Tested: LDSQA3D05R259024DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306821
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R259024DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

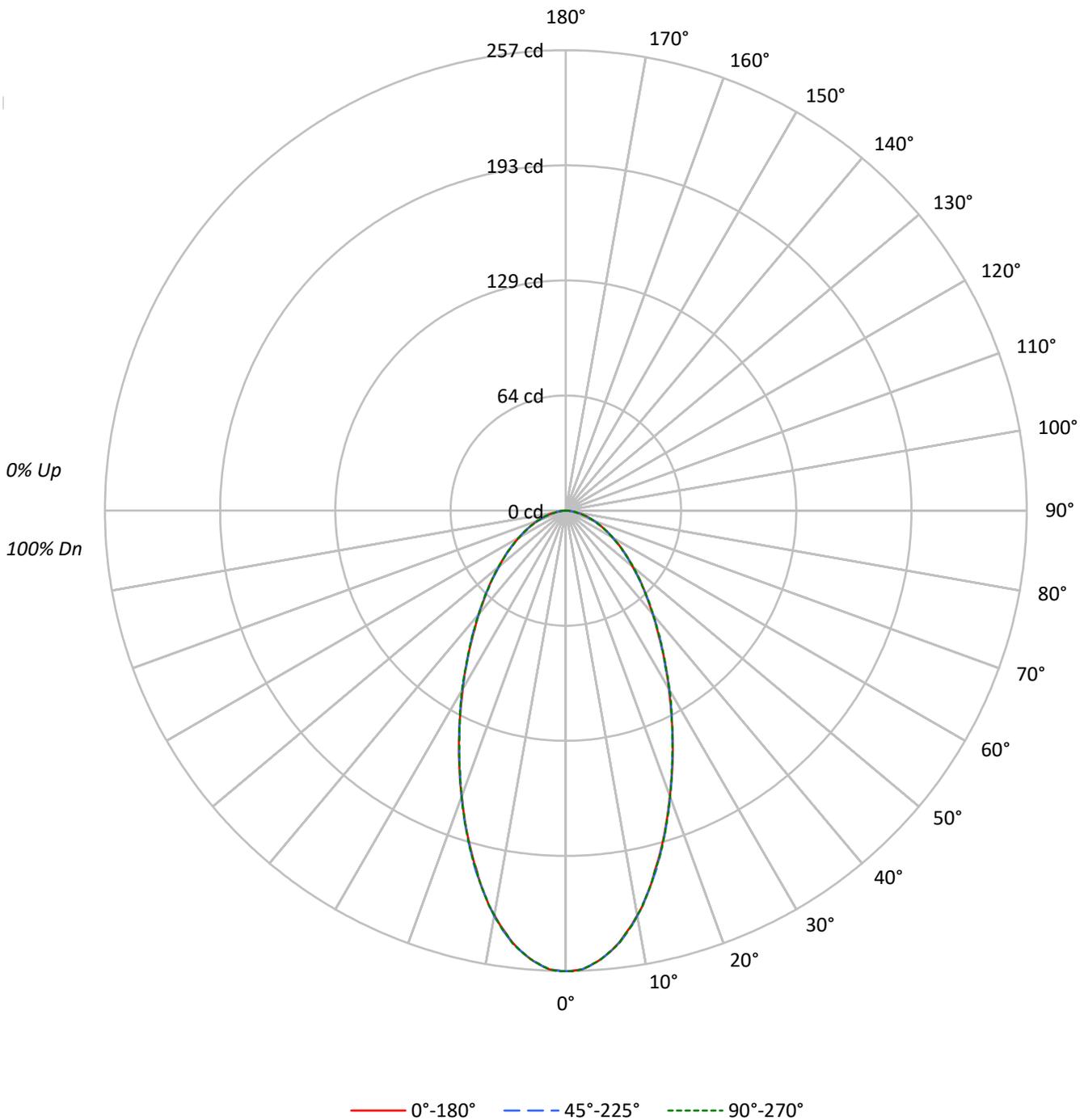
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 322.0 lumens
Efficiency: N/A
Efficacy: 44.7 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
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	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	63	63	63	61
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	56	56	56	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	51	51	51	49
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	40	40	38
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	44296	44296	44296
5°	43168	43168	43168
10°	40117	40187	40117
15°	35767	35856	35856
20°	31102	31175	31102
25°	26794	26699	26699
30°	22850	22929	23029
35°	19595	19595	19700
40°	16996	16996	16996
45°	14857	14857	14857
50°	13021	13021	13155
55°	11680	11680	11680
60°	10368	10368	10368
65°	9373	9373	9373
70°	8460	8258	8460
75°	7652	7320	7320
80°	6149	6149	6149
85°	4347	4347	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14857 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.2	7.2
10°-20°	56.0	17.4
20°-30°	64.7	20.1
30°-40°	58.6	18.2
40°-50°	47.3	14.7
50°-60°	34.8	10.8
60°-70°	22.9	7.1
70°-80°	11.8	3.7
80°-90°	2.7	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°	143.9	44.7
0°-40°	202.5	62.9
0°-60°	284.6	88.4
0°-90°	322.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	322.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	257	257	257	257	257	
5°	250	251	250	250	250	23
15°	201	201	201	201	201	56
25°	141	140	140	141	140	65
35°	93	93	93	93	94	59
45°	61	61	61	61	61	47
55°	39	39	39	38	39	35
65°	23	23	23	23	23	23
75°	12	11	11	11	11	12
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°	257.2	257.2	257.2	257.2	257.2
1°	256.8	257.6	256.8	256.8	257.2
2°	256.3	256.8	256.3	256.3	256.3
3°	254.5	255.4	254.5	254.5	254.5
4°	252.3	253.2	252.3	252.3	252.3
5°	249.7	250.6	249.7	249.7	249.7
6°	246.6	247.0	246.6	246.6	246.6
7°	243.1	243.5	243.1	243.1	243.5
8°	238.6	239.1	239.1	238.6	238.6
9°	234.2	234.7	234.7	234.2	234.7
10°	229.4	229.8	229.8	229.4	229.4
11°	224.5	224.9	224.1	224.1	224.5
12°	218.7	219.2	218.7	218.7	218.7
13°	213.0	213.0	213.0	213.0	213.0
14°	206.4	207.3	207.3	206.8	206.4
15°	200.6	201.1	201.1	200.6	201.1
17.5°	185.2	186.0	185.6	185.6	185.6
20°	169.7	170.1	170.1	169.7	169.7
22.5°	155.1	154.7	154.7	154.7	154.7
25°	141.0	140.5	140.5	141.0	140.5
27.5°	127.3	127.7	127.7	127.3	127.7
30°	114.9	114.9	115.3	114.9	115.8
32.5°	103.8	103.8	103.4	103.8	103.8
35°	93.2	93.2	93.2	93.2	93.7
37.5°	83.5	84.0	84.4	84.4	84.0
40°	75.6	75.6	75.6	75.6	75.6
42.5°	67.6	67.6	68.1	68.1	68.1
45°	61.0	61.0	61.0	61.0	61.0
47.5°	54.8	54.8	54.4	54.4	54.8
50°	48.6	49.1	48.6	48.6	49.1
52.5°	43.7	43.3	43.3	43.7	43.7
55°	38.9	38.9	38.9	38.4	38.9
57.5°	34.5	34.5	34.0	34.0	34.0
60°	30.1	30.1	30.1	30.1	30.1
62.5°	26.5	26.5	26.5	26.5	26.5
65°	23.0	23.0	23.0	23.0	23.0
67.5°	19.9	19.9	19.9	19.9	19.4
70°	16.8	16.8	16.4	16.4	16.8
72.5°	13.7	13.7	13.7	13.7	13.7
75°	11.5	11.0	11.0	11.0	11.0
77.5°	8.8	8.8	8.4	8.8	8.4
80°	6.2	6.2	6.2	6.2	6.2
82.5°	4.4	4.0	4.0	4.0	4.0
85°	2.2	2.2	2.2	2.2	2.2
87.5°	0.4	0.4	0.4	0.4	0.9



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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)