

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: P1318948

Luminaire Tested: LDSQA3D05R309835DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309835DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

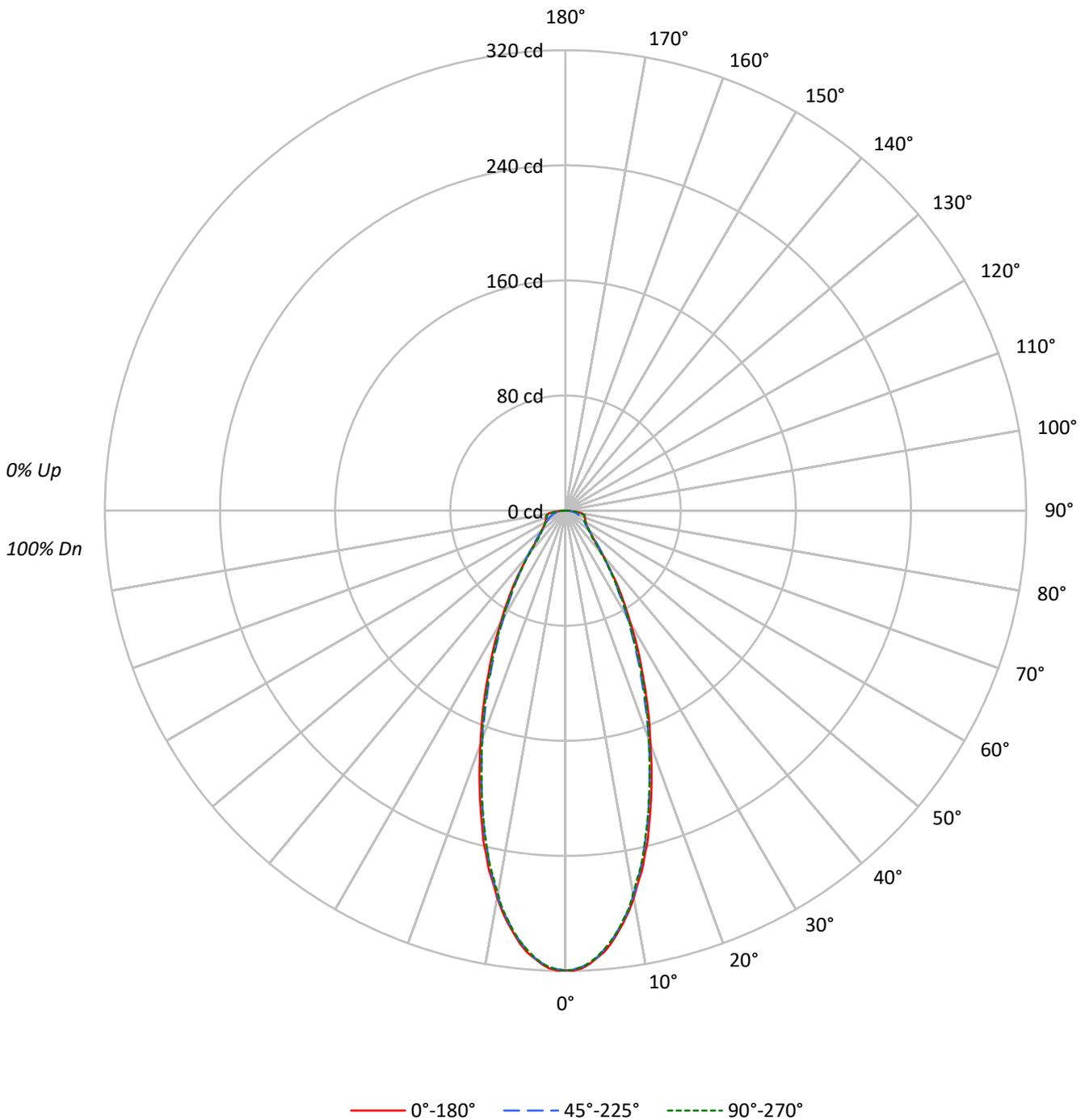
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 252.0 lumens
Efficiency: N/A
Efficacy: 35.0 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	58	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	55042	55042	55042
5°	53247	52971	52971
10°	47777	47515	47305
15°	40046	39422	39368
20°	31615	30974	30974
25°	24209	23240	23696
30°	17958	17043	17421
35°	12993	12404	12489
40°	8948	9105	8678
45°	6674	6966	6381
50°	5787	5680	5680
55°	5435	5225	5345
60°	5580	5201	5442
65°	6153	5175	5990
70°	7201	5237	6999
75°	9249	5656	8983
80°	11505	6149	10711
85°	9090	6126	8299

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 11505 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.2	11.2
10°-20°	61.3	24.3
20°-30°	57.1	22.7
30°-40°	37.9	15.0
40°-50°	22.1	8.8
50°-60°	16.1	6.4
60°-70°	13.6	5.4
70°-80°	11.2	4.5
80°-90°	4.7	1.9
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°	146.5	58.2
0°-40°	184.4	73.2
0°-60°	222.5	88.3
0°-90°	252.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	252.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	320	320	320	320	320	
5°	308	308	306	306	306	28
15°	225	222	221	221	221	62
25°	127	125	122	123	125	59
35°	62	61	59	59	59	39
45°	27	28	29	27	26	22
55°	18	18	17	18	18	16
65°	15	14	13	14	15	15
75°	14	10	8	10	14	14
85°	5	5	3	5	4	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	319.6	319.6	319.6	319.6	319.6
1°	319.9	319.6	318.8	319.2	319.2
2°	318.4	318.0	317.6	317.6	317.6
3°	315.7	315.3	314.9	314.9	314.9
4°	311.8	311.5	311.5	311.1	311.1
5°	308.0	307.6	306.4	306.4	306.4
6°	302.6	302.2	301.4	301.0	301.0
7°	296.0	296.0	294.9	294.5	294.9
8°	289.1	288.7	287.9	287.5	287.5
9°	281.7	280.6	280.6	279.4	280.2
10°	273.2	272.5	271.7	270.9	270.5
11°	263.6	263.2	262.1	261.3	260.9
12°	255.5	253.6	252.8	251.6	252.4
13°	245.1	243.9	242.0	241.6	242.0
14°	236.2	233.9	232.3	231.6	231.2
15°	224.6	222.3	221.1	220.8	220.8
17.5°	198.8	197.2	194.1	194.1	194.1
20°	172.5	171.0	169.0	168.7	169.0
22.5°	149.7	147.0	144.0	144.3	146.7
25°	127.4	125.0	122.3	122.7	124.7
27.5°	108.5	105.4	102.7	103.4	104.6
30°	90.3	88.4	85.7	86.5	87.6
32.5°	74.9	73.7	70.6	71.4	72.6
35°	61.8	60.6	59.0	59.4	59.4
37.5°	49.4	49.4	49.0	48.6	48.2
40°	39.8	40.5	40.5	39.4	38.6
42.5°	32.4	33.2	34.0	32.4	31.3
45°	27.4	27.8	28.6	27.0	26.2
47.5°	23.9	23.9	24.7	23.5	23.2
50°	21.6	21.6	21.2	20.8	21.2
52.5°	19.7	19.3	18.9	19.3	19.3
55°	18.1	17.8	17.4	17.8	17.8
57.5°	17.0	16.6	16.2	16.2	16.6
60°	16.2	15.4	15.1	15.4	15.8
62.5°	15.4	14.3	13.9	14.3	15.1
65°	15.1	13.5	12.7	13.5	14.7
67.5°	14.7	12.7	11.6	12.7	14.3
70°	14.3	12.0	10.4	12.0	13.9
72.5°	13.9	11.2	9.6	11.2	13.9
75°	13.9	10.4	8.5	10.4	13.5
77.5°	13.1	9.6	7.3	9.6	12.7
80°	11.6	8.9	6.2	8.5	10.8
82.5°	8.5	7.7	4.6	7.3	8.1
85°	4.6	5.4	3.1	5.0	4.2
87.5°	0.8	1.2	0.8	2.3	1.5



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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)