

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: P1318218

Luminaire Tested: LDSQA3D09R309830DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318218
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: LDSQA3D09R309830DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

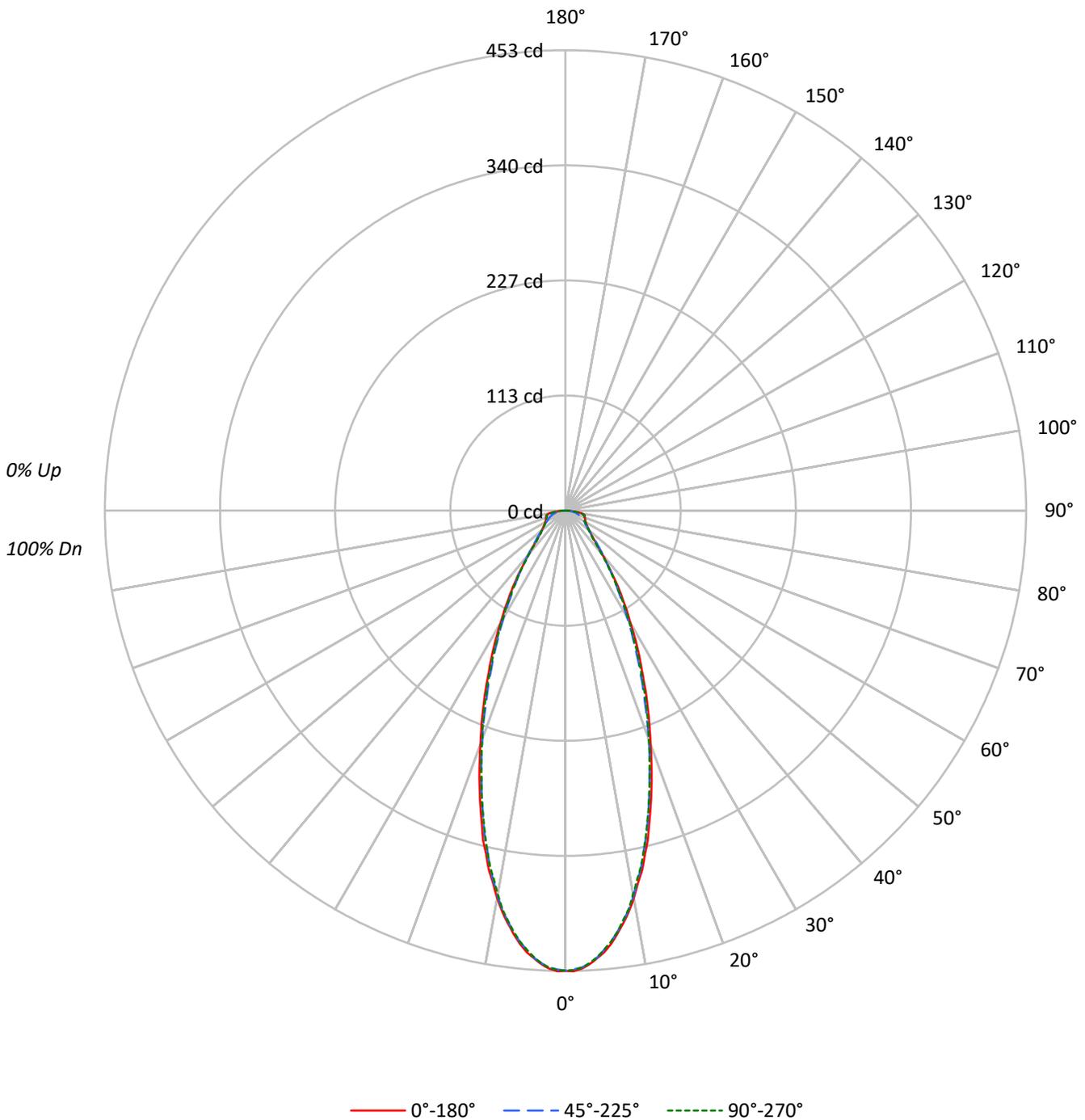
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 357.0 lumens
Efficiency: N/A
Efficacy: 32.5 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): 11
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	74	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	58	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	54	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	51	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	48	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	45	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	77965	77965	77965
5°	75428	75047	75047
10°	67696	67311	67031
15°	56734	55861	55754
20°	44793	43894	43894
25°	34281	32932	33559
30°	25435	24142	24679
35°	18396	17598	17703
40°	12657	12905	12298
45°	9450	9864	9060
50°	8199	8065	8065
55°	7717	7386	7567
60°	7922	7337	7716
65°	8680	7335	8476
70°	10172	7452	9920
75°	13109	7985	12709
80°	16265	8629	15174
85°	13042	8695	11856

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 16265 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.9	11.2
10°-20°	86.8	24.3
20°-30°	80.9	22.7
30°-40°	53.7	15.0
40°-50°	31.2	8.8
50°-60°	22.7	6.4
60°-70°	19.2	5.4
70°-80°	15.9	4.5
80°-90°	6.6	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°	207.6	58.1
0°-40°	261.3	73.2
0°-60°	315.3	88.3
0°-90°	357.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	357.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	453	453	453	453	453	
5°	436	436	434	434	434	40
15°	318	315	313	313	313	88
25°	180	177	173	174	177	83
35°	88	86	84	84	84	55
45°	39	39	40	38	37	31
55°	26	25	25	25	25	23
65°	21	19	18	19	21	21
75°	20	15	12	15	19	20
85°	7	8	4	7	6	8
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	452.7	452.7	452.7	452.7	452.7
1°	453.3	452.7	451.6	452.2	452.2
2°	451.1	450.5	450.0	450.0	450.0
3°	447.2	446.7	446.2	446.2	446.2
4°	441.8	441.2	441.2	440.7	440.7
5°	436.3	435.8	434.1	434.1	434.1
6°	428.7	428.1	427.0	426.5	426.5
7°	419.4	419.4	417.7	417.2	417.7
8°	409.5	409.0	407.9	407.3	407.3
9°	399.1	397.5	397.5	395.9	396.9
10°	387.1	386.0	384.9	383.8	383.3
11°	373.4	372.9	371.2	370.2	369.6
12°	362.0	359.2	358.1	356.5	357.6
13°	347.2	345.5	342.8	342.3	342.8
14°	334.6	331.3	329.1	328.1	327.5
15°	318.2	314.9	313.3	312.7	312.7
17.5°	281.6	279.4	275.0	275.0	275.0
20°	244.4	242.2	239.5	238.9	239.5
22.5°	212.1	208.3	203.9	204.5	207.8
25°	180.4	177.1	173.3	173.9	176.6
27.5°	153.6	149.3	145.4	146.5	148.2
30°	127.9	125.2	121.4	122.5	124.1
32.5°	106.1	104.4	100.1	101.1	102.8
35°	87.5	85.8	83.7	84.2	84.2
37.5°	70.0	70.0	69.4	68.9	68.3
40°	56.3	57.4	57.4	55.8	54.7
42.5°	45.9	47.0	48.1	45.9	44.3
45°	38.8	39.4	40.5	38.3	37.2
47.5°	33.9	33.9	35.0	33.4	32.8
50°	30.6	30.6	30.1	29.5	30.1
52.5°	27.9	27.3	26.8	27.3	27.3
55°	25.7	25.2	24.6	25.2	25.2
57.5°	24.1	23.5	23.0	23.0	23.5
60°	23.0	21.9	21.3	21.9	22.4
62.5°	21.9	20.2	19.7	20.2	21.3
65°	21.3	19.1	18.0	19.1	20.8
67.5°	20.8	18.0	16.4	18.0	20.2
70°	20.2	16.9	14.8	16.9	19.7
72.5°	19.7	15.9	13.7	15.9	19.7
75°	19.7	14.8	12.0	14.8	19.1
77.5°	18.6	13.7	10.4	13.7	18.0
80°	16.4	12.6	8.7	12.0	15.3
82.5°	12.0	10.9	6.6	10.4	11.5
85°	6.6	7.7	4.4	7.1	6.0
87.5°	1.1	1.6	1.1	3.3	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)