

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: P1319045

Luminaire Tested: LDSQA3D09R159835DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319045
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R159835DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

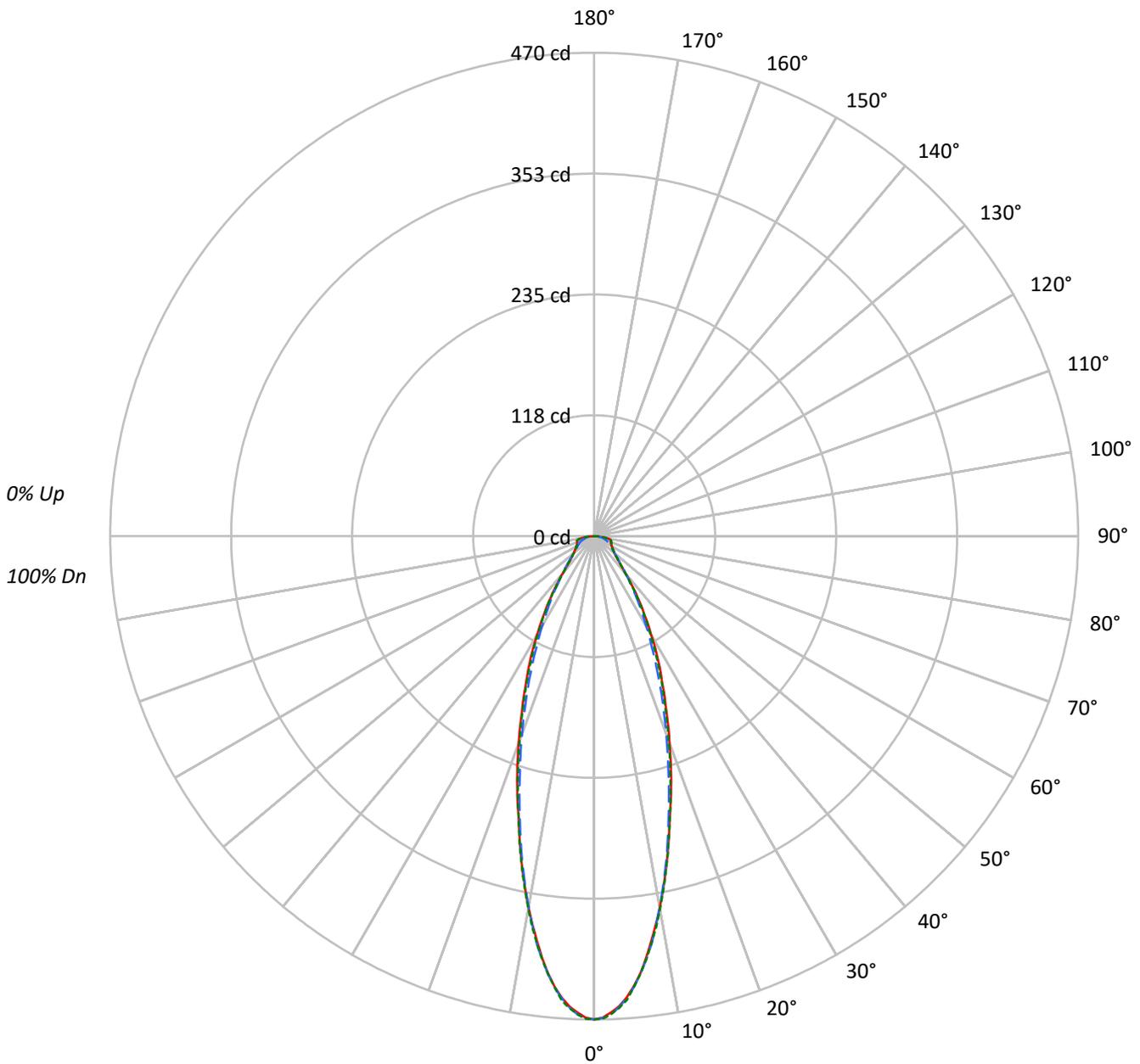
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 315.0 lumens
Efficiency: N/A
Efficacy: 28.6 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
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



— 0°-180° - - 45°-225° - - - 90°-270°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	100	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80	80	80	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73	73	73	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66	66	66	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61	61	61	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57	57	57	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	53	53	53	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50	50	50	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	47	47	47	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	45	45	45	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	80927	80927	80927
5°	75998	76102	76102
10°	64198	64006	64408
15°	50494	49781	50601
20°	39239	37462	38708
25°	29625	27554	29188
30°	22034	20105	21577
35°	15726	14654	15495
40°	10657	10791	10522
45°	7916	8354	7916
50°	6886	6886	6886
55°	6696	6336	6696
60°	6889	6303	6682
65°	7457	6520	7457
70°	8913	6596	8913
75°	11379	6854	11379
80°	14183	7339	13588
85°	11263	6719	12449

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 14183 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.6	12.6
10°-20°	78.3	24.9
20°-30°	69.2	22.0
30°-40°	45.5	14.4
40°-50°	26.6	8.4
50°-60°	19.6	6.2
60°-70°	16.7	5.3
70°-80°	13.7	4.4
80°-90°	5.7	1.8
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°	187.2	59.4
0°-40°	232.7	73.9
0°-60°	278.9	88.5
0°-90°	315.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	315.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	470	470	470	470	470	
5°	440	440	440	441	440	40
15°	283	283	279	283	284	79
25°	156	151	145	149	154	72
35°	75	72	70	71	74	47
45°	32	33	34	33	32	26
55°	22	22	21	22	22	20
65°	18	17	16	17	18	18
75°	17	13	10	13	17	17
85°	6	6	3	6	6	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	469.9	469.9	469.9	469.9	469.9
1°	468.2	468.7	468.7	469.3	469.3
2°	463.6	464.7	465.3	465.3	465.3
3°	457.9	458.5	459.0	459.6	459.6
4°	449.9	450.5	450.5	451.6	452.2
5°	439.6	439.6	440.2	440.8	440.2
6°	427.6	427.6	428.2	428.2	428.2
7°	413.4	413.9	414.5	415.1	414.5
8°	397.9	398.5	400.2	400.2	399.7
9°	382.5	383.1	383.1	384.8	384.8
10°	367.1	367.1	366.0	367.1	368.3
12.5°	325.4	324.9	323.2	324.9	326.0
15°	283.2	283.2	279.2	282.6	283.8
17.5°	248.9	243.8	239.8	243.2	246.1
20°	214.1	209.0	204.4	207.8	211.2
22.5°	182.7	178.7	173.0	176.4	180.4
25°	155.9	150.7	145.0	149.0	153.6
27.5°	133.6	126.7	121.0	125.6	129.6
30°	110.8	106.2	101.1	104.5	108.5
32.5°	91.4	87.9	83.9	86.8	90.2
35°	74.8	71.9	69.7	71.4	73.7
37.5°	59.9	58.8	57.7	58.2	58.2
40°	47.4	48.0	48.0	48.0	46.8
42.5°	38.8	39.4	40.5	39.4	38.8
45°	32.5	33.1	34.3	33.1	32.5
47.5°	28.5	29.1	29.7	28.5	28.5
50°	25.7	25.7	25.7	25.7	25.7
52.5°	24.0	23.4	23.4	23.4	24.0
55°	22.3	21.7	21.1	21.7	22.3
57.5°	20.6	20.0	19.4	20.0	20.6
60°	20.0	18.8	18.3	18.8	19.4
62.5°	18.8	17.7	17.1	17.7	18.8
65°	18.3	16.6	16.0	16.6	18.3
67.5°	17.7	15.4	14.3	15.4	17.7
70°	17.7	14.3	13.1	14.8	17.7
72.5°	17.1	13.7	11.4	13.7	17.1
75°	17.1	12.6	10.3	13.1	17.1
77.5°	16.0	11.4	8.6	12.0	16.0
80°	14.3	10.3	7.4	10.8	13.7
82.5°	10.3	8.6	5.7	8.6	10.3
85°	5.7	6.3	3.4	5.7	6.3
87.5°	0.6	1.7	1.1	3.4	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)