

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: P1318234

Luminaire Tested: LDSQA3D09R359830DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318234
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359830DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

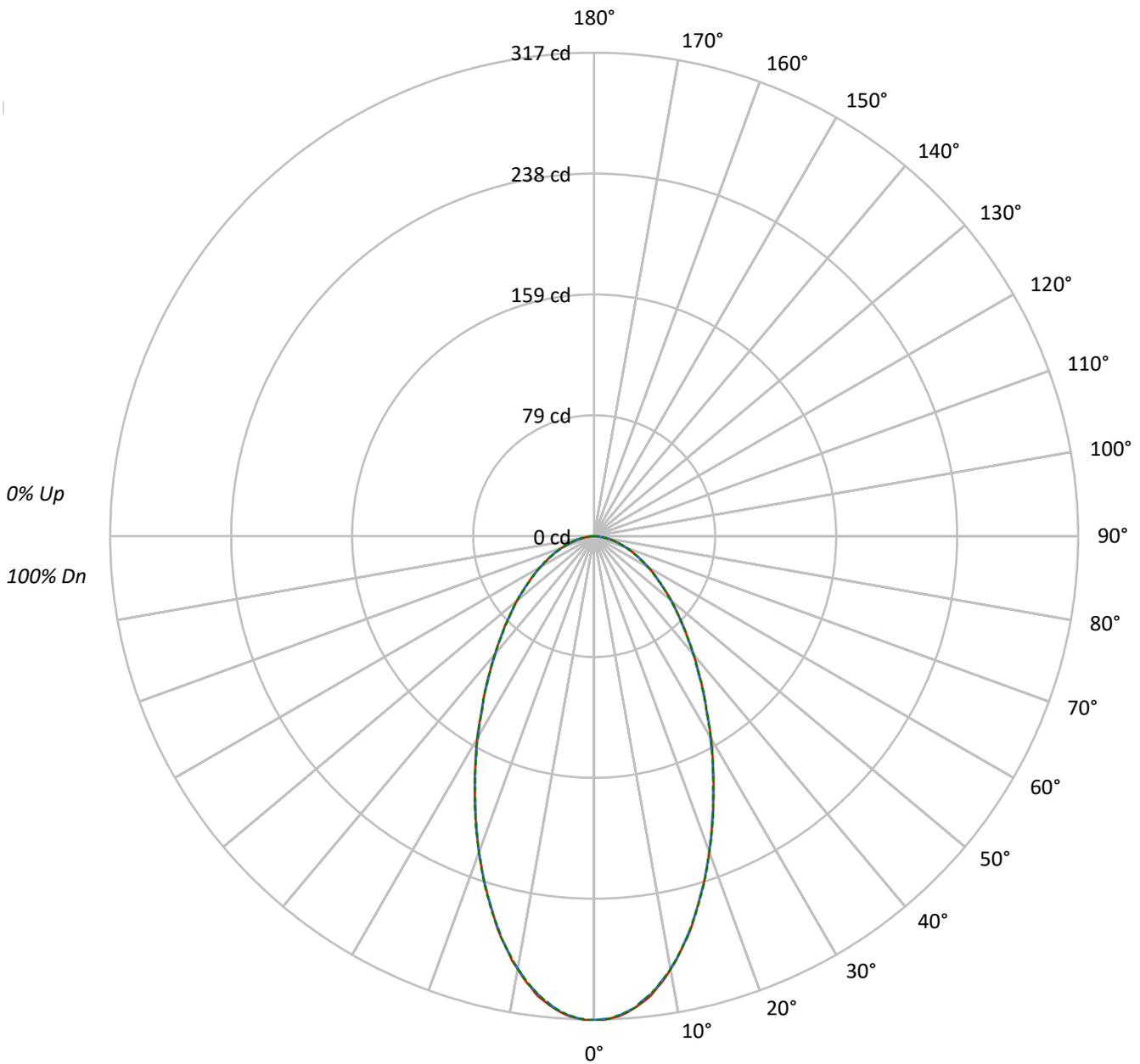
Lumens per Lamp: N/A
Luminaire Lumens: 424.0 lumens
Efficiency: N/A
Efficacy: 38.5 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	
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	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	54663	54663	54663
5°	53645	53541	53645
10°	50435	50330	50435
15°	45662	45662	45751
20°	40412	40412	40412
25°	35155	35041	35041
30°	30466	30247	30367
35°	26239	26112	26239
40°	22752	22639	22752
45°	19996	19850	19850
50°	17737	17603	17603
55°	15614	15614	15614
60°	14122	13950	14122
65°	12714	12714	12714
70°	11279	11279	11279
75°	10181	9848	10181
80°	8728	8728	8728
85°	5335	5335	5335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19996 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.9	6.8
10°-20°	71.4	16.8
20°-30°	84.9	20.0
30°-40°	78.0	18.4
40°-50°	63.3	14.9
50°-60°	46.9	11.1
60°-70°	31.0	7.3
70°-80°	16.0	3.8
80°-90°	3.6	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°	185.2	43.7
0°-40°	263.2	62.1
0°-60°	373.4	88.1
0°-90°	424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	424.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	317	317	317	317	317	
5°	310	310	310	310	310	29
15°	256	256	256	256	257	71
25°	185	184	184	185	184	85
35°	125	124	124	125	125	78
45°	82	82	82	82	82	64
55°	52	52	52	52	52	47
65°	31	31	31	31	31	31
75°	15	15	15	15	15	16
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	317.4	317.4	317.4	317.4	317.4
1°	317.4	316.8	316.8	316.8	317.4
2°	316.3	316.3	316.3	316.3	316.3
3°	315.2	314.6	314.6	314.6	314.6
4°	313.0	312.5	312.5	312.5	312.5
5°	310.3	309.7	309.7	309.7	310.3
6°	307.0	306.4	305.9	305.9	306.4
7°	303.7	302.6	302.6	302.6	302.6
8°	298.8	298.2	298.2	298.2	298.2
9°	293.9	292.8	293.3	293.3	293.3
10°	288.4	287.8	287.8	287.8	288.4
11°	282.9	282.4	282.4	281.8	282.4
12°	276.3	276.3	276.3	276.3	276.3
13°	270.3	269.8	269.8	269.8	270.3
14°	263.8	263.2	263.2	263.2	263.2
15°	256.1	256.1	256.1	256.1	256.6
17.5°	238.6	238.0	238.6	238.6	239.1
20°	220.5	220.0	220.5	220.5	220.5
22.5°	202.5	202.5	201.9	202.5	203.0
25°	185.0	184.4	184.4	185.0	184.4
27.5°	168.5	168.0	168.0	168.0	168.0
30°	153.2	152.1	152.1	152.7	152.7
32.5°	137.3	137.3	137.9	137.3	137.3
35°	124.8	124.2	124.2	124.8	124.8
37.5°	112.2	111.6	111.6	112.2	112.2
40°	101.2	101.2	100.7	101.2	101.2
42.5°	90.8	90.8	90.8	90.8	90.8
45°	82.1	81.5	81.5	81.5	81.5
47.5°	73.3	73.3	73.3	72.8	73.3
50°	66.2	65.7	65.7	65.7	65.7
52.5°	58.6	58.6	58.6	58.6	58.6
55°	52.0	52.0	52.0	52.0	52.0
57.5°	46.5	46.0	46.0	46.0	46.0
60°	41.0	41.0	40.5	41.0	41.0
62.5°	35.6	35.6	35.6	35.6	35.6
65°	31.2	31.2	31.2	31.2	31.2
67.5°	26.8	26.8	26.8	26.8	26.8
70°	22.4	22.4	22.4	22.4	22.4
72.5°	19.2	18.6	18.6	18.6	18.6
75°	15.3	15.3	14.8	15.3	15.3
77.5°	11.5	11.5	11.5	11.5	11.5
80°	8.8	8.8	8.8	8.2	8.8
82.5°	5.5	5.5	5.5	5.5	5.5
85°	2.7	2.7	2.7	2.7	2.7
87.5°	0.5	0.5	0.5	1.1	1.1



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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)