

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: P1311506

Luminaire Tested: LDSQA3D13R359040DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311506
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: LDSQA3D13R359040DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

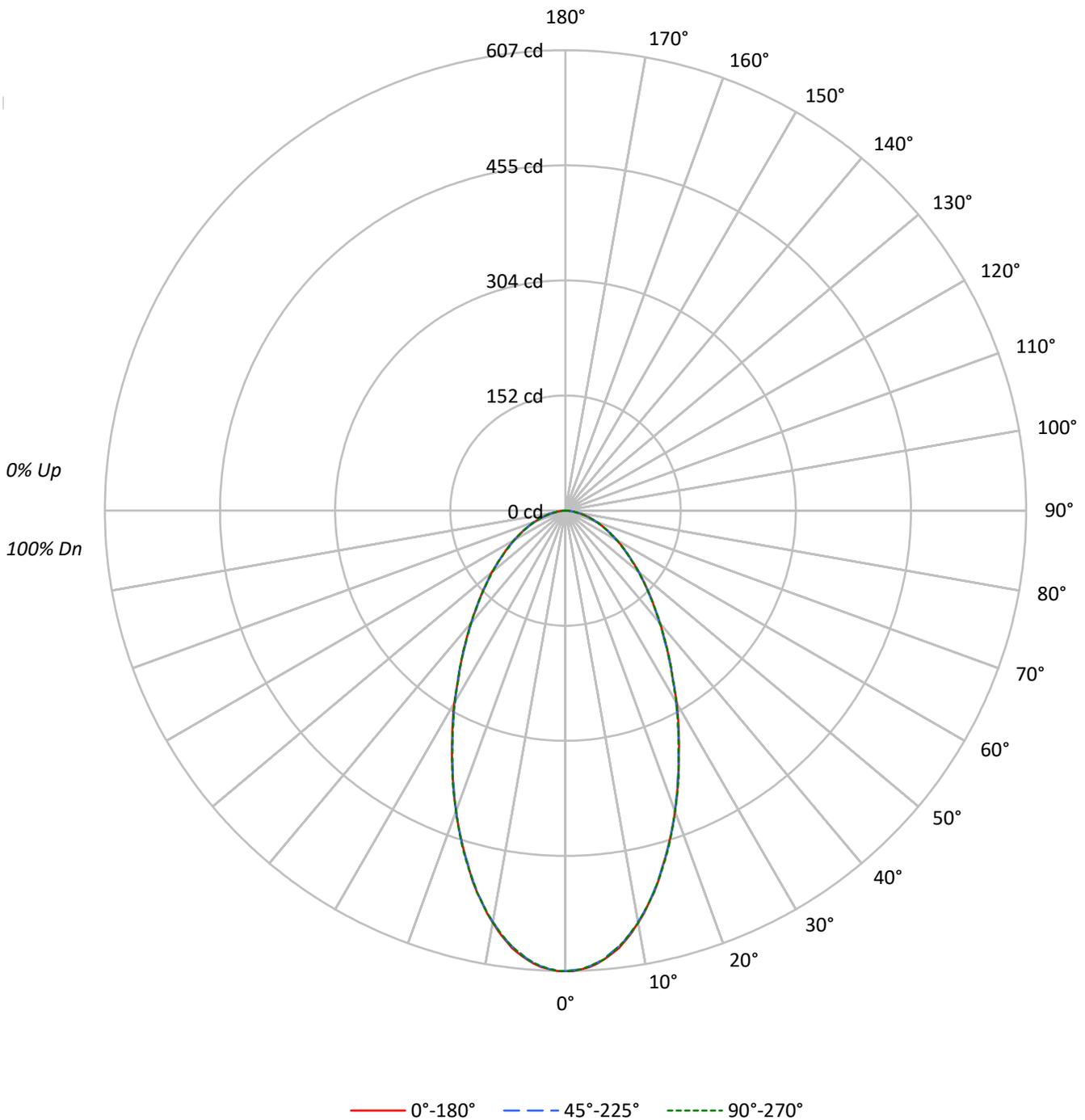
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 811.0 lumens
Efficiency: N/A
Efficacy: 55.5 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): 14.6
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	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	77	73	70	68
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	70	66	62	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	65	60	56	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	52	46	42	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	48	43	39	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	104556	104556	104556
5°	102605	102414	102605
10°	96464	96271	96464
15°	87330	87330	87526
20°	77306	77306	77306
25°	67231	67022	67022
30°	58288	57870	58069
35°	50164	49954	50164
40°	43525	43300	43525
45°	38239	37995	37995
50°	33920	33652	33652
55°	29846	29846	29846
60°	27039	26695	27039
65°	24329	24329	24329
70°	21602	21602	21602
75°	19497	18831	19497
80°	16563	16563	16563
85°	10275	10275	10275

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 38239 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	6.8
10°-20°	136.6	16.8
20°-30°	162.4	20.0
30°-40°	149.2	18.4
40°-50°	121.1	14.9
50°-60°	89.6	11.1
60°-70°	59.2	7.3
70°-80°	30.7	3.8
80°-90°	6.9	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°	354.2	43.7
0°-40°	503.4	62.1
0°-60°	714.2	88.1
0°-90°	811.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	811.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	607	607	607	607	607	
5°	594	592	592	592	594	55
15°	490	490	490	490	491	137
25°	354	353	353	354	353	163
35°	239	238	238	239	239	149
45°	157	156	156	156	156	121
55°	99	99	99	99	99	90
65°	60	60	60	60	60	59
75°	29	29	28	29	29	31
85°	5	5	5	5	5	7
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	607.1	607.1	607.1	607.1	607.1
1°	607.1	606.0	606.0	606.0	607.1
2°	605.0	605.0	605.0	605.0	605.0
3°	602.9	601.8	601.8	601.8	601.8
4°	598.7	597.6	597.6	597.6	597.6
5°	593.5	592.4	592.4	592.4	593.5
6°	587.2	586.1	585.1	585.1	586.1
7°	580.9	578.8	578.8	578.8	578.8
8°	571.5	570.4	570.4	570.4	570.4
9°	562.1	560.0	561.0	561.0	561.0
10°	551.6	550.5	550.5	550.5	551.6
11°	541.1	540.1	540.1	539.0	540.1
12°	528.6	528.6	528.6	528.6	528.6
13°	517.1	516.0	516.0	516.0	517.1
14°	504.5	503.4	503.4	503.4	503.4
15°	489.8	489.8	489.8	489.8	490.9
17.5°	456.3	455.3	456.3	456.3	457.4
20°	421.8	420.8	421.8	421.8	421.8
22.5°	387.3	387.3	386.2	387.3	388.3
25°	353.8	352.7	352.7	353.8	352.7
27.5°	322.4	321.3	321.3	321.3	321.3
30°	293.1	291.0	291.0	292.0	292.0
32.5°	262.7	262.7	263.8	262.7	262.7
35°	238.6	237.6	237.6	238.6	238.6
37.5°	214.6	213.5	213.5	214.6	214.6
40°	193.6	193.6	192.6	193.6	193.6
42.5°	173.7	173.7	173.7	173.7	173.7
45°	157.0	156.0	156.0	156.0	156.0
47.5°	140.3	140.3	140.3	139.2	140.3
50°	126.6	125.6	125.6	125.6	125.6
52.5°	112.0	112.0	112.0	112.0	112.0
55°	99.4	99.4	99.4	99.4	99.4
57.5°	89.0	87.9	87.9	87.9	87.9
60°	78.5	78.5	77.5	78.5	78.5
62.5°	68.0	68.0	68.0	68.0	68.0
65°	59.7	59.7	59.7	59.7	59.7
67.5°	51.3	51.3	51.3	51.3	51.3
70°	42.9	42.9	42.9	42.9	42.9
72.5°	36.6	35.6	35.6	35.6	35.6
75°	29.3	29.3	28.3	29.3	29.3
77.5°	22.0	22.0	22.0	22.0	22.0
80°	16.7	16.7	16.7	15.7	16.7
82.5°	10.5	10.5	10.5	10.5	10.5
85°	5.2	5.2	5.2	5.2	5.2
87.5°	1.0	1.0	1.0	2.1	2.1



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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)