

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: P1320132

Luminaire Tested: LDSQA3D13R359840DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320132
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: LDSQA3D13R359840DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

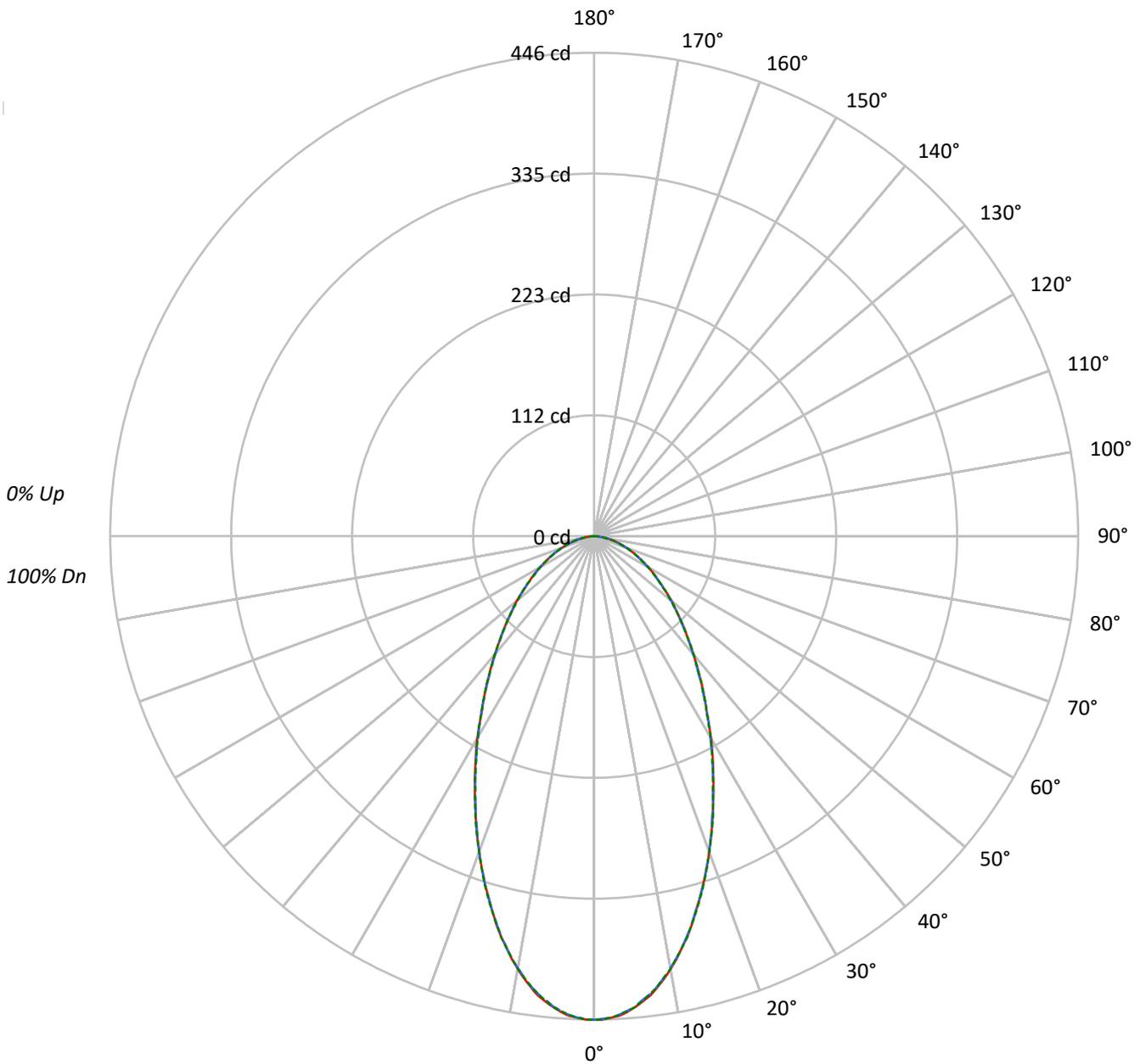
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 596.0 lumens
Efficiency: N/A
Efficacy: 41.1 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): 14.5
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	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°	76829	76829	76829
5°	75393	75272	75393
10°	70896	70756	70896
15°	64187	64187	64312
20°	56815	56815	56815
25°	49407	49255	49255
30°	42836	42517	42677
35°	36877	36709	36877
40°	31992	31812	31992
45°	28107	27912	27912
50°	24944	24730	24730
55°	21949	21949	21949
60°	19874	19599	19874
65°	17849	17849	17849
70°	15862	15862	15862
75°	14306	13841	14306
80°	12199	12199	12199
85°	7509	7509	7509

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 28107 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.6	6.8
10°-20°	100.4	16.8
20°-30°	119.3	20.0
30°-40°	109.6	18.4
40°-50°	89.0	14.9
50°-60°	65.9	11.1
60°-70°	43.5	7.3
70°-80°	22.6	3.8
80°-90°	5.1	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°	260.3	43.7
0°-40°	370.0	62.1
0°-60°	524.9	88.1
0°-90°	596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	596.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	446	446	446	446	446	
5°	436	435	435	435	436	41
15°	360	360	360	360	361	100
25°	260	259	259	260	259	120
35°	175	175	175	175	175	110
45°	115	115	115	115	115	89
55°	73	73	73	73	73	66
65°	44	44	44	44	44	44
75°	22	22	21	22	22	23
85°	4	4	4	4	4	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	446.1	446.1	446.1	446.1	446.1
1°	446.1	445.4	445.4	445.4	446.1
2°	444.6	444.6	444.6	444.6	444.6
3°	443.1	442.3	442.3	442.3	442.3
4°	440.0	439.2	439.2	439.2	439.2
5°	436.1	435.4	435.4	435.4	436.1
6°	431.5	430.7	430.0	430.0	430.7
7°	426.9	425.4	425.4	425.4	425.4
8°	420.0	419.2	419.2	419.2	419.2
9°	413.1	411.5	412.3	412.3	412.3
10°	405.4	404.6	404.6	404.6	405.4
11°	397.7	396.9	396.9	396.1	396.9
12°	388.4	388.4	388.4	388.4	388.4
13°	380.0	379.2	379.2	379.2	380.0
14°	370.7	370.0	370.0	370.0	370.0
15°	360.0	360.0	360.0	360.0	360.7
17.5°	335.4	334.6	335.4	335.4	336.1
20°	310.0	309.2	310.0	310.0	310.0
22.5°	284.6	284.6	283.8	284.6	285.4
25°	260.0	259.2	259.2	260.0	259.2
27.5°	236.9	236.1	236.1	236.1	236.1
30°	215.4	213.8	213.8	214.6	214.6
32.5°	193.1	193.1	193.8	193.1	193.1
35°	175.4	174.6	174.6	175.4	175.4
37.5°	157.7	156.9	156.9	157.7	157.7
40°	142.3	142.3	141.5	142.3	142.3
42.5°	127.7	127.7	127.7	127.7	127.7
45°	115.4	114.6	114.6	114.6	114.6
47.5°	103.1	103.1	103.1	102.3	103.1
50°	93.1	92.3	92.3	92.3	92.3
52.5°	82.3	82.3	82.3	82.3	82.3
55°	73.1	73.1	73.1	73.1	73.1
57.5°	65.4	64.6	64.6	64.6	64.6
60°	57.7	57.7	56.9	57.7	57.7
62.5°	50.0	50.0	50.0	50.0	50.0
65°	43.8	43.8	43.8	43.8	43.8
67.5°	37.7	37.7	37.7	37.7	37.7
70°	31.5	31.5	31.5	31.5	31.5
72.5°	26.9	26.2	26.2	26.2	26.2
75°	21.5	21.5	20.8	21.5	21.5
77.5°	16.2	16.2	16.2	16.2	16.2
80°	12.3	12.3	12.3	11.5	12.3
82.5°	7.7	7.7	7.7	7.7	7.7
85°	3.8	3.8	3.8	3.8	3.8
87.5°	0.8	0.8	0.8	1.5	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)