

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: P1319694

Luminaire Tested: LDSQA3D02R359840DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319694
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: LDSQA3D02R359840DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

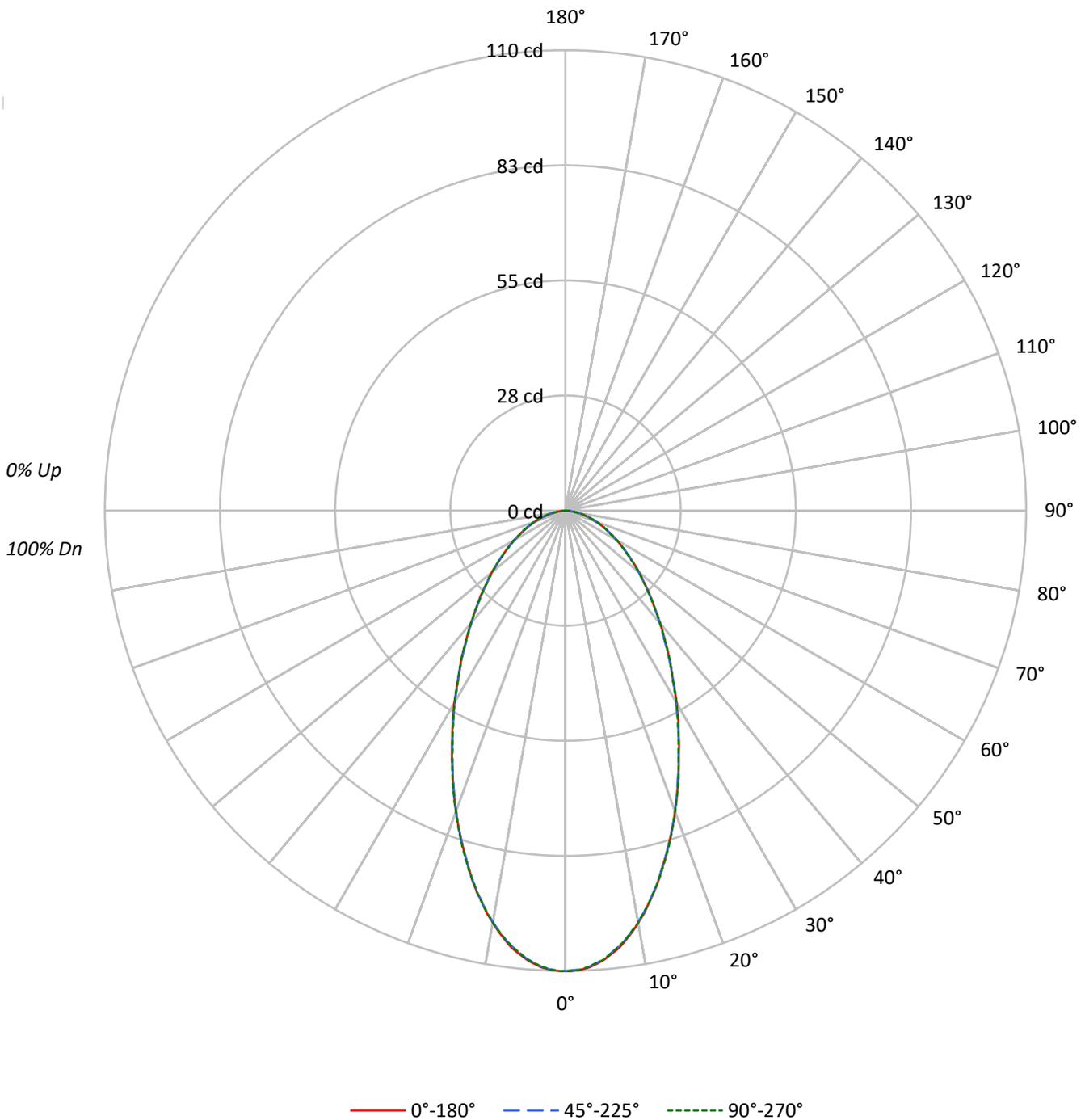
Lumens per Lamp: N/A
Luminaire Lumens: 147.0 lumens
Efficiency: N/A
Efficacy: 40.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	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°	18944	18944	18944
5°	18602	18567	18602
10°	17488	17453	17488
15°	15833	15833	15869
20°	14021	14021	14021
25°	12181	12143	12143
30°	10560	10480	10520
35°	9104	9062	9104
40°	7891	7846	7891
45°	6941	6893	6893
50°	6162	6109	6109
55°	5405	5405	5405
60°	4891	4822	4891
65°	4401	4401	4401
70°	3928	3928	3928
75°	3527	3394	3527
80°	2975	2975	2975
85°	1778	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6941 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.0	6.8
10°-20°	24.8	16.9
20°-30°	29.4	20.0
30°-40°	27.0	18.4
40°-50°	22.0	14.9
50°-60°	16.2	11.0
60°-70°	10.7	7.3
70°-80°	5.6	3.8
80°-90°	1.2	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°	64.2	43.7
0°-40°	91.2	62.1
0°-60°	129.4	88.1
0°-90°	147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	147.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	110	110	110	110	110	
5°	108	107	107	107	108	10
15°	89	89	89	89	89	25
25°	64	64	64	64	64	29
35°	43	43	43	43	43	27
45°	28	28	28	28	28	22
55°	18	18	18	18	18	16
65°	11	11	11	11	11	11
75°	5	5	5	5	5	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	110.0	110.0	110.0	110.0	110.0
1°	110.0	109.8	109.8	109.8	110.0
2°	109.7	109.7	109.7	109.7	109.7
3°	109.3	109.1	109.1	109.1	109.1
4°	108.5	108.3	108.3	108.3	108.3
5°	107.6	107.4	107.4	107.4	107.6
6°	106.4	106.2	106.1	106.1	106.2
7°	105.3	104.9	104.9	104.9	104.9
8°	103.6	103.4	103.4	103.4	103.4
9°	101.9	101.5	101.7	101.7	101.7
10°	100.0	99.8	99.8	99.8	100.0
11°	98.1	97.9	97.9	97.7	97.9
12°	95.8	95.8	95.8	95.8	95.8
13°	93.7	93.5	93.5	93.5	93.7
14°	91.4	91.3	91.3	91.3	91.3
15°	88.8	88.8	88.8	88.8	89.0
17.5°	82.7	82.5	82.7	82.7	82.9
20°	76.5	76.3	76.5	76.5	76.5
22.5°	70.2	70.2	70.0	70.2	70.4
25°	64.1	63.9	63.9	64.1	63.9
27.5°	58.4	58.2	58.2	58.2	58.2
30°	53.1	52.7	52.7	52.9	52.9
32.5°	47.6	47.6	47.8	47.6	47.6
35°	43.3	43.1	43.1	43.3	43.3
37.5°	38.9	38.7	38.7	38.9	38.9
40°	35.1	35.1	34.9	35.1	35.1
42.5°	31.5	31.5	31.5	31.5	31.5
45°	28.5	28.3	28.3	28.3	28.3
47.5°	25.4	25.4	25.4	25.2	25.4
50°	23.0	22.8	22.8	22.8	22.8
52.5°	20.3	20.3	20.3	20.3	20.3
55°	18.0	18.0	18.0	18.0	18.0
57.5°	16.1	15.9	15.9	15.9	15.9
60°	14.2	14.2	14.0	14.2	14.2
62.5°	12.3	12.3	12.3	12.3	12.3
65°	10.8	10.8	10.8	10.8	10.8
67.5°	9.3	9.3	9.3	9.3	9.3
70°	7.8	7.8	7.8	7.8	7.8
72.5°	6.6	6.5	6.5	6.5	6.5
75°	5.3	5.3	5.1	5.3	5.3
77.5°	4.0	4.0	4.0	4.0	4.0
80°	3.0	3.0	3.0	2.8	3.0
82.5°	1.9	1.9	1.9	1.9	1.9
85°	0.9	0.9	0.9	0.9	0.9
87.5°	0.2	0.2	0.2	0.4	0.4



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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)