

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: P1310545

Luminaire Tested: LDSQA3D17R359035DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310545
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: LDSQA3D17R359035DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

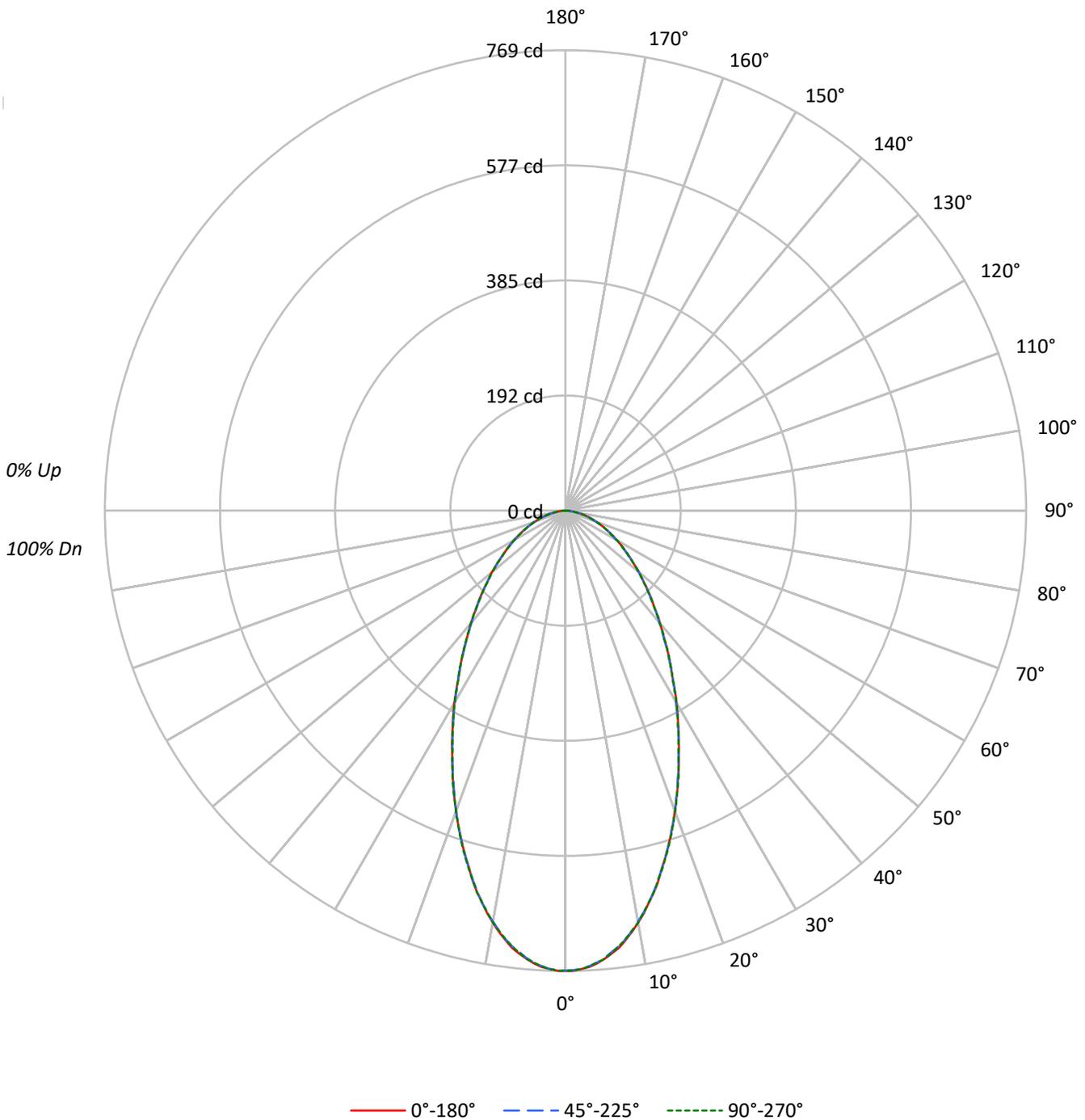
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1027.0 lumens
Efficiency: N/A
Efficacy: 48.4 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): 21.2
Input Voltage (V): NR
Input Current (A_{in}): 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88	88	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	77	77	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68	68	68
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	60	60	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54	54	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49	49	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	44	44	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	41	41	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	38	38	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	132388	132388	132388
5°	129920	129695	129920
10°	122153	121926	122153
15°	110598	110598	110830
20°	97887	97887	97887
25°	85132	84885	84885
30°	73799	73282	73540
35°	63536	63263	63536
40°	55126	54834	55126
45°	48420	48103	48103
50°	42976	42628	42628
55°	37803	37803	37803
60°	34238	33790	34238
65°	30767	30767	30767
70°	27343	27343	27343
75°	24687	23822	24687
80°	21026	21026	21026
85°	13042	13042	13042

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 48420 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	6.8
10°-20°	173.0	16.8
20°-30°	205.6	20.0
30°-40°	188.9	18.4
40°-50°	153.4	14.9
50°-60°	113.5	11.1
60°-70°	75.0	7.3
70°-80°	38.9	3.8
80°-90°	8.7	0.9
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°	448.5	43.7
0°-40°	637.5	62.1
0°-60°	904.4	88.1
0°-90°	1027.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1027.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	769	769	769	769	769	
5°	752	750	750	750	752	70
15°	620	620	620	620	622	173
25°	448	447	447	448	447	206
35°	302	301	301	302	302	189
45°	199	198	198	198	198	154
55°	126	126	126	126	126	114
65°	76	76	76	76	76	75
75°	37	37	36	37	37	39
85°	7	7	7	7	7	9
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	768.7	768.7	768.7	768.7	768.7
1°	768.7	767.4	767.4	767.4	768.7
2°	766.1	766.1	766.1	766.1	766.1
3°	763.4	762.1	762.1	762.1	762.1
4°	758.1	756.8	756.8	756.8	756.8
5°	751.5	750.2	750.2	750.2	751.5
6°	743.6	742.2	740.9	740.9	742.2
7°	735.6	733.0	733.0	733.0	733.0
8°	723.7	722.4	722.4	722.4	722.4
9°	711.8	709.1	710.4	710.4	710.4
10°	698.5	697.2	697.2	697.2	698.5
11°	685.2	683.9	683.9	682.6	683.9
12°	669.3	669.3	669.3	669.3	669.3
13°	654.8	653.4	653.4	653.4	654.8
14°	638.9	637.5	637.5	637.5	637.5
15°	620.3	620.3	620.3	620.3	621.6
17.5°	577.9	576.6	577.9	577.9	579.2
20°	534.1	532.8	534.1	534.1	534.1
22.5°	490.4	490.4	489.1	490.4	491.7
25°	448.0	446.7	446.7	448.0	446.7
27.5°	408.2	406.9	406.9	406.9	406.9
30°	371.1	368.5	368.5	369.8	369.8
32.5°	332.7	332.7	334.0	332.7	332.7
35°	302.2	300.9	300.9	302.2	302.2
37.5°	271.7	270.4	270.4	271.7	271.7
40°	245.2	245.2	243.9	245.2	245.2
42.5°	220.0	220.0	220.0	220.0	220.0
45°	198.8	197.5	197.5	197.5	197.5
47.5°	177.6	177.6	177.6	176.3	177.6
50°	160.4	159.1	159.1	159.1	159.1
52.5°	141.8	141.8	141.8	141.8	141.8
55°	125.9	125.9	125.9	125.9	125.9
57.5°	112.7	111.3	111.3	111.3	111.3
60°	99.4	99.4	98.1	99.4	99.4
62.5°	86.2	86.2	86.2	86.2	86.2
65°	75.5	75.5	75.5	75.5	75.5
67.5°	64.9	64.9	64.9	64.9	64.9
70°	54.3	54.3	54.3	54.3	54.3
72.5°	46.4	45.1	45.1	45.1	45.1
75°	37.1	37.1	35.8	37.1	37.1
77.5°	27.8	27.8	27.8	27.8	27.8
80°	21.2	21.2	21.2	19.9	21.2
82.5°	13.3	13.3	13.3	13.3	13.3
85°	6.6	6.6	6.6	6.6	6.6
87.5°	1.3	1.3	1.3	2.7	2.7



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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)