

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: P1310608

Luminaire Tested: LDSQA3D17R709035DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310608
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709035DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

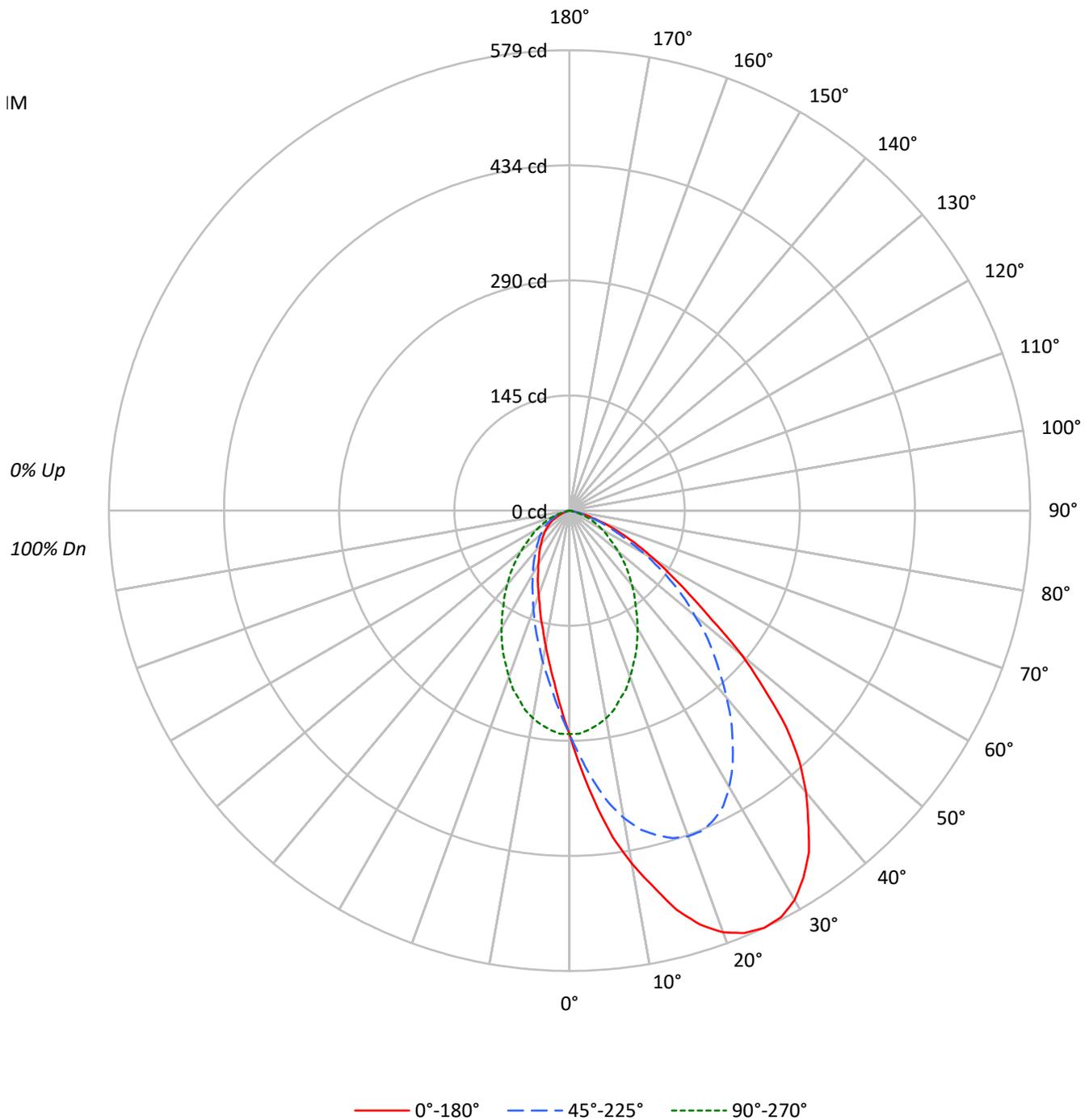
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 630.0 lumens
Efficiency: N/A
Efficacy: 29.7 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89			89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67			67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59			59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52			52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46			46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42			42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38			38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34			34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31			31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	48377	48377	48377	48377	48377
5°	63672	58866	47871	40091	37567
10°	78783	68588	46343	33822	30114
15°	92608	75349	43701	28581	24801
20°	103441	79890	40797	24284	20637
25°	110025	81578	37511	20903	17882
30°	112498	79825	33986	18176	15551
35°	110316	75205	30359	16441	13918
40°	103957	69110	27406	14883	12500
45°	93892	62595	24526	13542	11618
50°	75958	55033	21301	12780	10637
55°	55308	47351	18286	11920	9548
60°	42883	37407	16430	10953	8680
65°	32397	26977	13489	9699	6479
70°	22660	19336	10021	7352	3978
75°	13242	11445	5257	3527	865
80°	2579	3967	1289	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 93892 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	4.4
10°-20°	81.9	13.0
20°-30°	123.4	19.6
30°-40°	137.2	21.8
40°-50°	121.6	19.3
50°-60°	82.5	13.1
60°-70°	43.3	6.9
70°-80°	12.3	1.9
80°-90°	0.4	0.1
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°	232.8	36.9
0°-40°	369.9	58.7
0°-60°	574.1	91.1
0°-90°	630.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	630.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	281	281	281	281	281	
5°	368	340	277	232	217	38
15°	519	423	245	160	139	147
25°	579	429	197	110	94	266
35°	525	358	144	78	66	325
45°	386	257	101	56	48	292
55°	184	158	61	40	32	170
65°	80	66	33	24	16	80
75°	20	17	8	5	1	22
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9
2.5°	323.3	321.9	320.6	320.6	319.3	318.0	315.3	315.3	312.7	310.0	307.4
5°	368.3	368.3	368.3	364.3	364.3	359.0	356.4	351.1	345.8	340.5	333.9
7.5°	413.4	413.4	409.4	408.1	404.1	398.8	394.8	386.9	377.6	369.6	359.0
10°	450.5	450.5	446.5	443.8	435.9	430.6	422.6	413.4	404.1	392.2	378.9
12.5°	483.6	484.9	479.6	474.3	466.4	458.4	447.8	435.9	424.0	410.7	393.5
15°	519.4	518.0	511.4	504.8	495.5	483.6	470.3	454.4	438.5	422.6	404.1
17.5°	545.9	544.5	537.9	530.0	518.0	503.5	488.9	470.3	451.8	431.9	409.4
20°	564.4	563.1	556.5	545.9	533.9	518.0	500.8	479.6	459.7	435.9	410.7
22.5°	575.0	573.7	565.7	556.5	541.9	524.7	506.1	483.6	461.1	435.9	408.1
25°	579.0	576.3	568.4	557.8	543.2	524.7	503.5	479.6	455.8	429.3	400.1
27.5°	576.3	573.7	564.4	552.5	536.6	515.4	494.2	470.3	445.2	418.7	388.2
30°	565.7	561.7	553.8	541.9	524.7	503.5	480.9	455.8	429.3	401.4	371.0
32.5°	547.2	544.5	536.6	523.3	506.1	484.9	462.4	435.9	409.4	381.6	351.1
35°	524.7	519.4	511.4	499.5	482.3	461.1	438.5	410.7	385.5	357.7	328.6
37.5°	492.9	491.5	482.3	473.0	455.8	433.2	412.0	385.5	360.4	333.9	304.7
40°	462.4	459.7	451.8	441.2	424.0	404.1	381.6	357.7	332.5	307.4	280.9
42.5°	427.9	424.0	418.7	408.1	392.2	372.3	351.1	327.2	304.7	280.9	257.0
45°	385.5	384.2	377.6	372.3	357.7	340.5	319.3	298.1	275.6	257.0	238.5
47.5°	331.2	329.9	328.6	324.6	316.6	304.7	288.8	269.0	251.7	233.2	208.0
50°	283.5	282.2	279.5	278.2	271.6	265.0	253.1	241.1	226.6	205.4	185.5
52.5°	225.2	226.6	230.5	231.9	230.5	225.2	219.9	216.0	196.1	182.8	164.3
55°	184.2	184.2	182.8	184.2	185.5	188.1	188.1	182.8	169.6	157.7	141.8
57.5°	151.0	151.0	151.0	151.0	151.0	152.4	152.4	151.0	144.4	132.5	117.9
60°	124.5	123.2	123.2	124.5	123.2	123.2	124.5	124.5	117.9	108.6	95.4
62.5°	100.7	100.7	100.7	99.4	99.4	100.7	100.7	99.4	94.1	84.8	75.5
65°	79.5	79.5	79.5	79.5	79.5	80.8	79.5	78.2	72.9	66.2	59.6
67.5°	60.9	60.9	62.3	60.9	62.3	62.3	62.3	59.6	55.6	50.3	46.4
70°	45.0	45.0	45.0	46.4	47.7	47.7	46.4	43.7	41.1	38.4	34.4
72.5°	30.5	31.8	31.8	31.8	33.1	33.1	31.8	30.5	29.1	26.5	25.2
75°	19.9	18.5	19.9	19.9	21.2	21.2	19.9	19.9	18.5	17.2	15.9
77.5°	9.3	9.3	10.6	10.6	10.6	10.6	10.6	10.6	10.6	9.3	9.3
80°	2.6	2.6	2.6	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
82.5°	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	280.9	280.9	280.9	280.9	280.9	280.9	280.9	280.9
2.5°	304.7	300.7	295.4	280.9	267.6	255.7	249.1	247.8
5°	325.9	320.6	307.4	276.9	251.7	231.9	219.9	217.3
7.5°	348.4	337.8	319.3	271.6	235.8	210.7	197.4	193.4
10°	365.7	352.4	327.2	265.0	219.9	193.4	177.5	172.2
12.5°	377.6	361.7	333.9	257.0	206.7	174.9	159.0	153.7
15°	384.2	367.0	335.2	245.1	190.8	160.3	143.1	139.1
17.5°	386.9	367.0	332.5	235.8	176.2	145.7	129.8	124.5
20°	385.5	361.7	325.9	222.6	163.0	132.5	116.6	112.6
22.5°	380.2	353.7	315.3	209.3	149.7	119.2	106.0	103.3
25°	372.3	343.1	303.4	197.4	137.8	110.0	96.7	94.1
27.5°	359.0	329.9	287.5	184.2	127.2	100.7	88.8	84.8
30°	341.8	314.0	271.6	170.9	116.6	91.4	80.8	78.2
32.5°	323.3	295.4	255.7	157.7	107.3	84.8	74.2	71.5
35°	302.1	275.6	235.8	144.4	98.0	78.2	67.6	66.2
37.5°	280.9	254.4	218.6	133.8	90.1	71.5	62.3	60.9
40°	257.0	235.8	209.3	121.9	83.5	66.2	58.3	55.6
42.5°	242.5	213.3	180.2	111.3	76.8	60.9	53.0	51.7
45°	210.7	189.5	163.0	100.7	70.2	55.6	49.0	47.7
47.5°	189.5	170.9	145.7	90.1	64.9	51.7	45.0	43.7
50°	168.3	151.0	127.2	79.5	59.6	47.7	41.1	39.7
52.5°	147.1	129.8	108.6	70.2	53.0	43.7	37.1	35.8
55°	125.9	110.0	90.1	60.9	47.7	39.7	34.4	31.8
57.5°	103.3	90.1	76.8	54.3	42.4	35.8	30.5	27.8
60°	83.5	75.5	64.9	47.7	37.1	31.8	26.5	25.2
62.5°	67.6	60.9	54.3	41.1	33.1	27.8	23.8	19.9
65°	54.3	50.3	45.0	33.1	27.8	23.8	19.9	15.9
67.5°	42.4	39.7	35.8	27.8	22.5	19.9	14.6	11.9
70°	33.1	30.5	27.8	19.9	17.2	14.6	10.6	7.9
72.5°	23.8	21.2	19.9	14.6	11.9	10.6	6.6	4.0
75°	14.6	14.6	11.9	7.9	6.6	5.3	2.6	1.3
77.5°	7.9	7.9	6.6	4.0	4.0	1.3	0.0	0.0
80°	4.0	2.6	2.6	1.3	1.3	0.0	0.0	0.0
82.5°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)