

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: P1318847

Luminaire Tested: LDSQA3D02R559835DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R559835DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

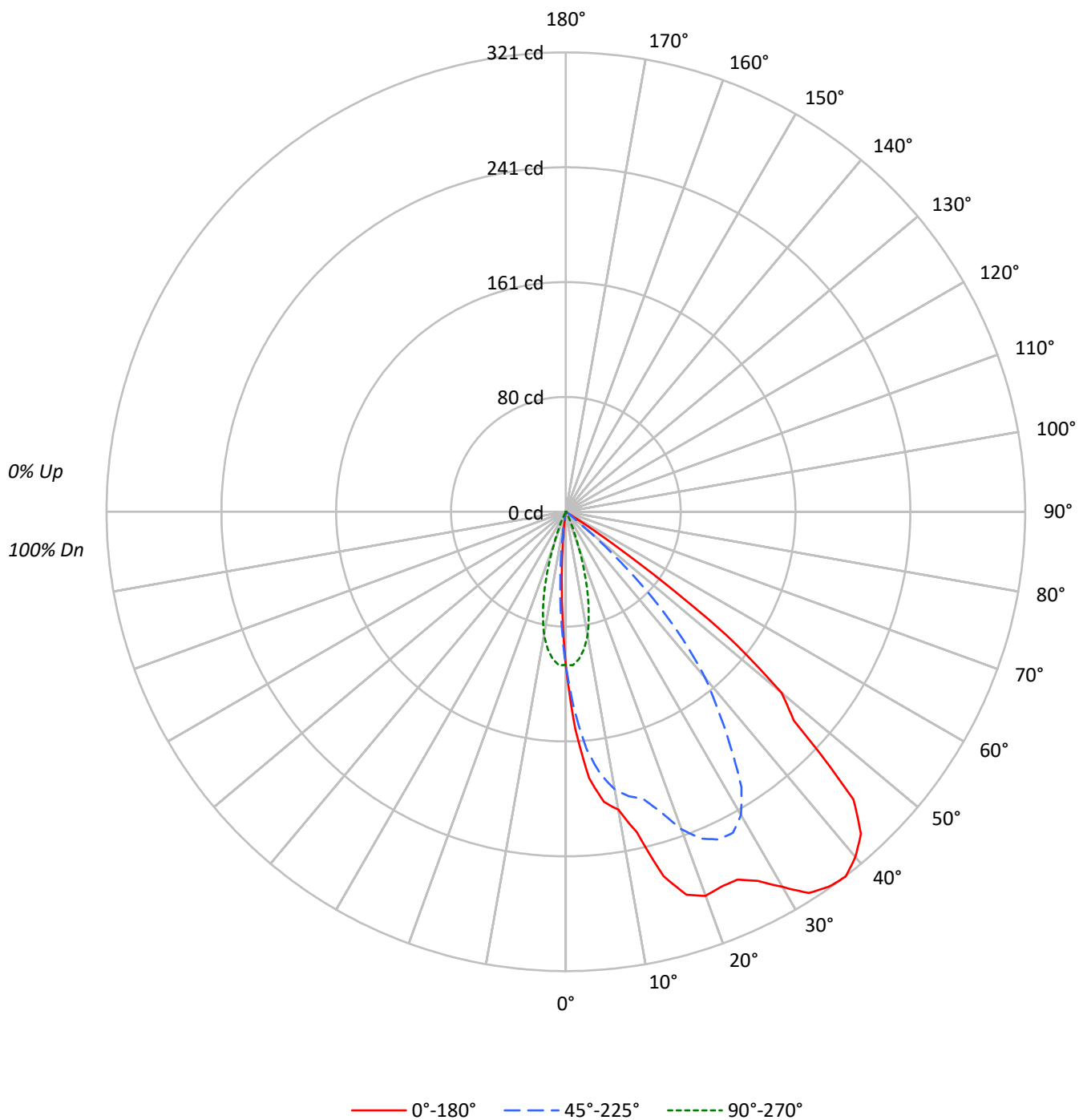
Lumens per Lamp: N/A
Luminaire Lumens: 198.0 lumens
Efficiency: N/A
Efficacy: 55.0 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	18428	18428	18428	18428	18428
5°	32294	28785	17893	7434	4270
10°	36970	34451	15302	822	297
15°	46982	36997	10484	160	107
20°	52343	43271	4600	0	0
25°	53892	48020	1311	0	0
30°	60197	48662	179	0	0
35°	67278	42259	0	0	0
40°	70774	34015	0	0	0
45°	69195	21482	0	0	0
50°	52702	4394	0	0	0
55°	17265	0	0	0	0
60°	0	0	0	0	0
65°	0	82	82	0	0
70°	0	101	101	0	0
75°	0	133	133	0	0
80°	0	198	397	198	0
85°	0	395	395	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 69195 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.8	4.9
10°-20°	28.7	14.5
20°-30°	46.6	23.5
30°-40°	55.4	28.0
40°-50°	45.3	22.9
50°-60°	12.0	6.1
60°-70°	0.1	0.0
70°-80°	0.1	0.1
80°-90°	0.2	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°	85.0	42.9
0°-40°	140.4	70.9
0°-60°	197.7	99.8
0°-90°	198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	198.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	107	107	107	107	107	
5°	187	166	104	43	25	18
15°	264	208	59	1	1	74
25°	284	253	7	0	0	134
35°	320	201	0	0	0	199
45°	284	88	0	0	0	204
55°	58	0	0	0	0	65
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	67.5°
0°	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0
2.5°	151.8	150.7	150.9	150.3	150.9	148.5	145.9	143.5	141.6	139.0	123.2
5°	186.8	185.0	184.4	183.7	182.9	179.9	177.5	174.5	171.0	166.5	137.5
7.5°	204.5	203.0	202.3	202.6	201.0	199.8	196.7	193.3	189.6	184.8	148.3
10°	211.4	209.9	209.7	209.5	209.3	208.6	207.1	204.1	200.8	197.0	154.4
12.5°	229.4	226.1	223.8	221.2	218.1	214.0	210.6	208.0	206.7	203.7	157.2
15°	263.5	260.3	257.9	254.5	248.6	239.8	231.8	221.6	212.7	207.5	156.1
17.5°	280.6	279.1	277.1	274.8	270.7	264.4	256.2	245.4	234.1	219.4	150.7
20°	285.6	284.9	283.4	282.5	279.7	275.2	269.6	261.2	250.6	236.1	142.3
22.5°	283.6	284.1	284.9	287.3	287.7	284.5	279.3	271.3	260.5	247.1	129.5
25°	283.6	283.2	283.2	288.2	291.4	289.9	286.2	278.9	267.9	252.7	113.7
27.5°	290.8	288.6	283.9	289.2	294.4	293.8	290.5	281.9	269.6	252.9	94.3
30°	302.7	297.9	290.3	295.1	299.9	297.9	292.5	281.5	265.9	244.7	70.7
32.5°	315.9	313.7	309.8	313.0	312.2	304.0	294.4	279.1	258.3	228.3	47.6
35°	320.0	320.4	317.8	317.3	313.0	304.6	294.4	272.2	242.3	201.0	28.3
37.5°	321.3	321.5	317.4	312.2	305.9	296.0	283.8	258.1	212.7	174.5	15.1
40°	314.8	314.6	307.9	301.6	294.5	284.9	267.0	228.3	184.6	151.3	5.4
42.5°	305.2	302.7	296.4	288.6	280.0	267.9	240.0	192.8	160.4	121.1	0.4
45°	284.1	281.9	276.9	268.5	259.0	241.9	197.8	165.6	130.4	88.2	0.0
47.5°	216.0	214.9	220.1	221.2	221.1	201.5	165.0	135.1	95.8	51.4	0.0
50°	196.7	195.2	190.0	183.3	171.4	155.0	132.3	100.1	56.2	16.4	0.0
52.5°	141.2	146.1	147.2	142.2	131.0	114.8	91.2	57.7	19.5	0.0	0.0
55°	57.5	54.5	56.8	59.5	61.8	56.8	42.1	20.5	0.2	0.0	0.0
57.5°	0.0	0.2	1.1	2.6	4.3	5.4	5.8	0.4	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
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):

	90°	112.5°	135°	157.5°	180°
0°	107.0	107.0	107.0	107.0	107.0
2.5°	107.4	90.8	74.8	66.1	61.8
5°	103.5	69.4	43.0	29.8	24.7
7.5°	96.9	47.6	17.1	7.1	5.0
10°	87.5	27.4	4.7	1.9	1.7
12.5°	73.9	12.5	1.7	1.3	1.3
15°	58.8	4.3	0.9	0.7	0.6
17.5°	41.3	1.1	0.4	0.0	0.0
20°	25.1	0.2	0.0	0.0	0.0
22.5°	14.0	0.0	0.0	0.0	0.0
25°	6.9	0.0	0.0	0.0	0.0
27.5°	3.0	0.0	0.0	0.0	0.0
30°	0.9	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.2	0.0	0.0	0.0	0.0
65°	0.2	0.2	0.0	0.0	0.0
67.5°	0.2	0.2	0.0	0.0	0.0
70°	0.2	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.0	0.0	0.0
77.5°	0.4	0.2	0.2	0.0	0.0
80°	0.4	0.2	0.2	0.0	0.0
82.5°	0.4	0.2	0.2	0.0	0.0
85°	0.2	0.2	0.2	0.0	0.0
87.5°	0.4	0.2	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)