

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: P1306716

Luminaire Tested: LDSQA3D02R559024DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306716
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: LDSQA3D02R559024DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

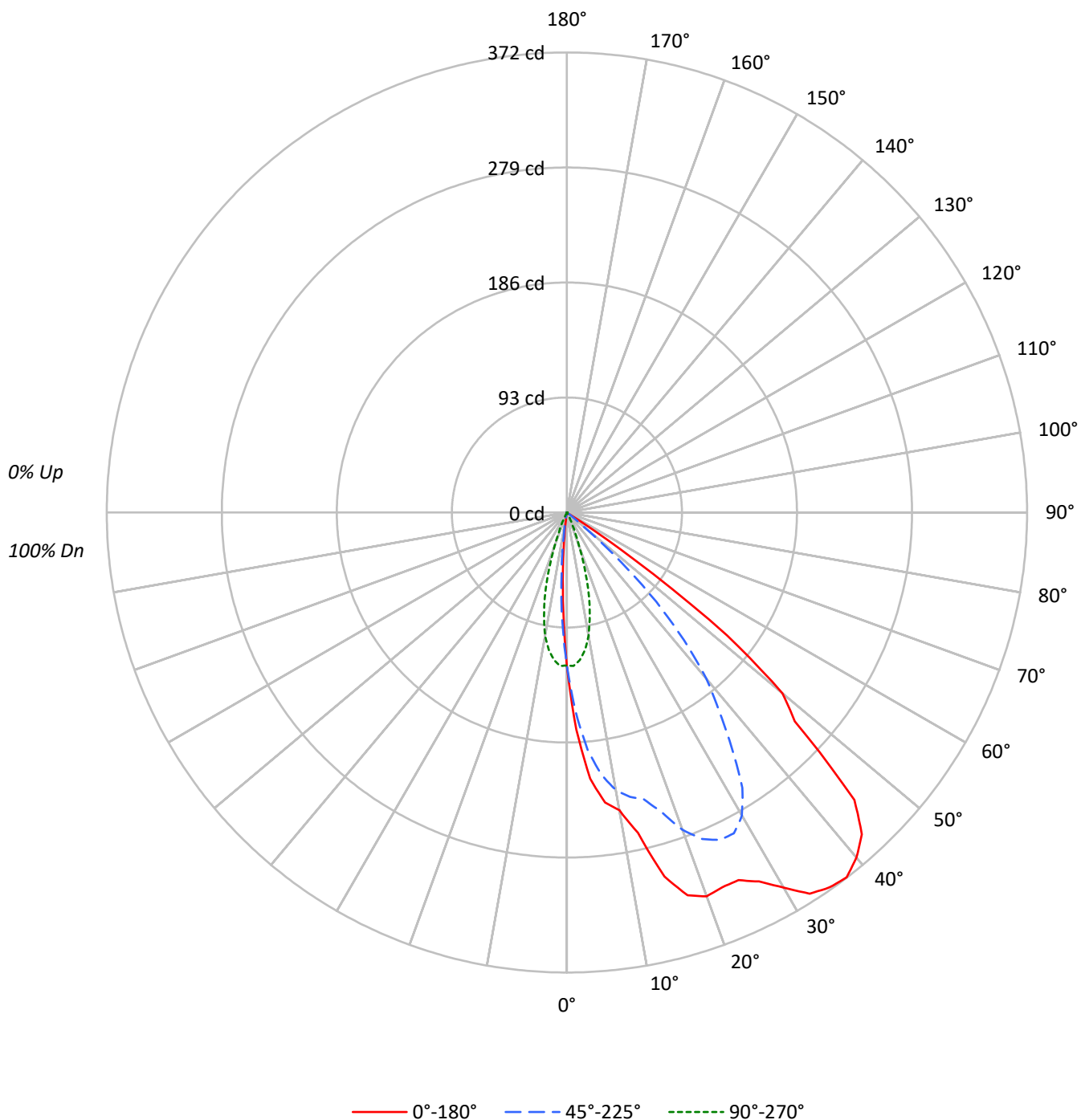
Lumens per Lamp: N/A
Luminaire Lumens: 229.0 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	83	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°	21304	21304	21304	21304	21304
5°	37359	33297	20694	8592	4944
10°	42758	39855	17680	944	332
15°	54327	42792	12124	196	107
20°	60536	50053	5333	0	0
25°	62329	55526	1520	0	0
30°	69623	56279	219	0	0
35°	77812	48861	0	0	0
40°	81857	39344	0	0	0
45°	80034	24843	0	0	0
50°	60954	5064	0	0	0
55°	19967	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: 80034 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.3	4.9
10°-20°	33.1	14.5
20°-30°	53.9	23.5
30°-40°	64.0	28.0
40°-50°	52.4	22.9
50°-60°	13.9	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°	98.3	42.9
0°-40°	162.4	70.9
0°-60°	228.6	99.8
0°-90°	229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	229.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	124	124	124	124	124	
5°	216	193	120	50	29	21
15°	305	240	68	1	1	85
25°	328	292	8	0	0	154
35°	370	232	0	0	0	230
45°	329	102	0	0	0	236
55°	66	0	0	0	0	75
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°	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7
2.5°	175.6	174.3	174.5	173.9	174.5	171.7	168.7	165.9	163.8	160.8	142.5
5°	216.1	213.9	213.3	212.4	211.5	208.1	205.3	201.9	197.8	192.6	159.0
7.5°	236.5	234.8	233.9	234.4	232.4	231.1	227.5	223.6	219.3	213.7	171.5
10°	244.5	242.7	242.5	242.3	242.1	241.2	239.5	236.1	232.2	227.9	178.6
12.5°	265.3	261.5	258.9	255.9	252.2	247.5	243.6	240.6	239.1	235.6	181.8
15°	304.7	301.1	298.3	294.4	287.5	277.4	268.1	256.3	246.0	240.0	180.6
17.5°	324.5	322.8	320.4	317.9	313.1	305.8	296.3	283.9	270.7	253.7	174.3
20°	330.3	329.5	327.8	326.7	323.4	318.3	311.8	302.1	289.9	273.1	164.6
22.5°	328.0	328.6	329.5	332.3	332.7	329.0	323.0	313.8	301.3	285.8	149.8
25°	328.0	327.5	327.5	333.3	337.0	335.3	331.0	322.6	309.9	292.2	131.5
27.5°	336.4	333.8	328.4	334.4	340.5	339.8	335.9	326.0	311.8	292.5	109.1
30°	350.1	344.5	335.7	341.3	346.9	344.5	338.3	325.6	307.5	283.0	81.8
32.5°	365.4	362.8	358.3	362.0	361.1	351.6	340.5	322.8	298.7	264.1	55.1
35°	370.1	370.6	367.6	366.9	362.0	352.3	340.5	314.8	280.2	232.4	32.7
37.5°	371.7	371.9	367.1	361.1	353.8	342.4	328.2	298.5	246.0	201.9	17.4
40°	364.1	363.9	356.2	348.8	340.7	329.5	308.8	264.1	213.5	175.0	6.2
42.5°	352.9	350.1	342.8	333.8	323.9	309.9	277.6	223.0	185.5	140.1	0.4
45°	328.6	326.0	320.2	310.5	299.6	279.8	228.8	191.5	150.9	102.0	0.0
47.5°	249.9	248.6	254.6	255.9	255.7	233.1	190.9	156.2	110.8	59.4	0.0
50°	227.5	225.7	219.7	212.0	198.2	179.3	153.0	115.8	65.0	18.9	0.0
52.5°	163.3	168.9	170.2	164.4	151.5	132.8	105.4	66.7	22.6	0.0	0.0
55°	66.5	63.1	65.6	68.9	71.4	65.6	48.6	23.7	0.2	0.0	0.0
57.5°	0.0	0.2	1.3	3.0	4.9	6.2	6.7	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°	123.7	123.7	123.7	123.7	123.7
2.5°	124.2	105.0	86.5	76.4	71.4
5°	119.7	80.3	49.7	34.4	28.6
7.5°	112.1	55.1	19.8	8.2	5.8
10°	101.1	31.6	5.4	2.2	1.9
12.5°	85.4	14.4	1.9	1.5	1.5
15°	68.0	4.9	1.1	0.9	0.6
17.5°	47.8	1.3	0.4	0.0	0.0
20°	29.1	0.2	0.0	0.0	0.0
22.5°	16.1	0.0	0.0	0.0	0.0
25°	8.0	0.0	0.0	0.0	0.0
27.5°	3.4	0.0	0.0	0.0	0.0
30°	1.1	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)