

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: P1315181

Luminaire Tested: LDSQA3D02R559735DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315181
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: LDSQA3D02R559735DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

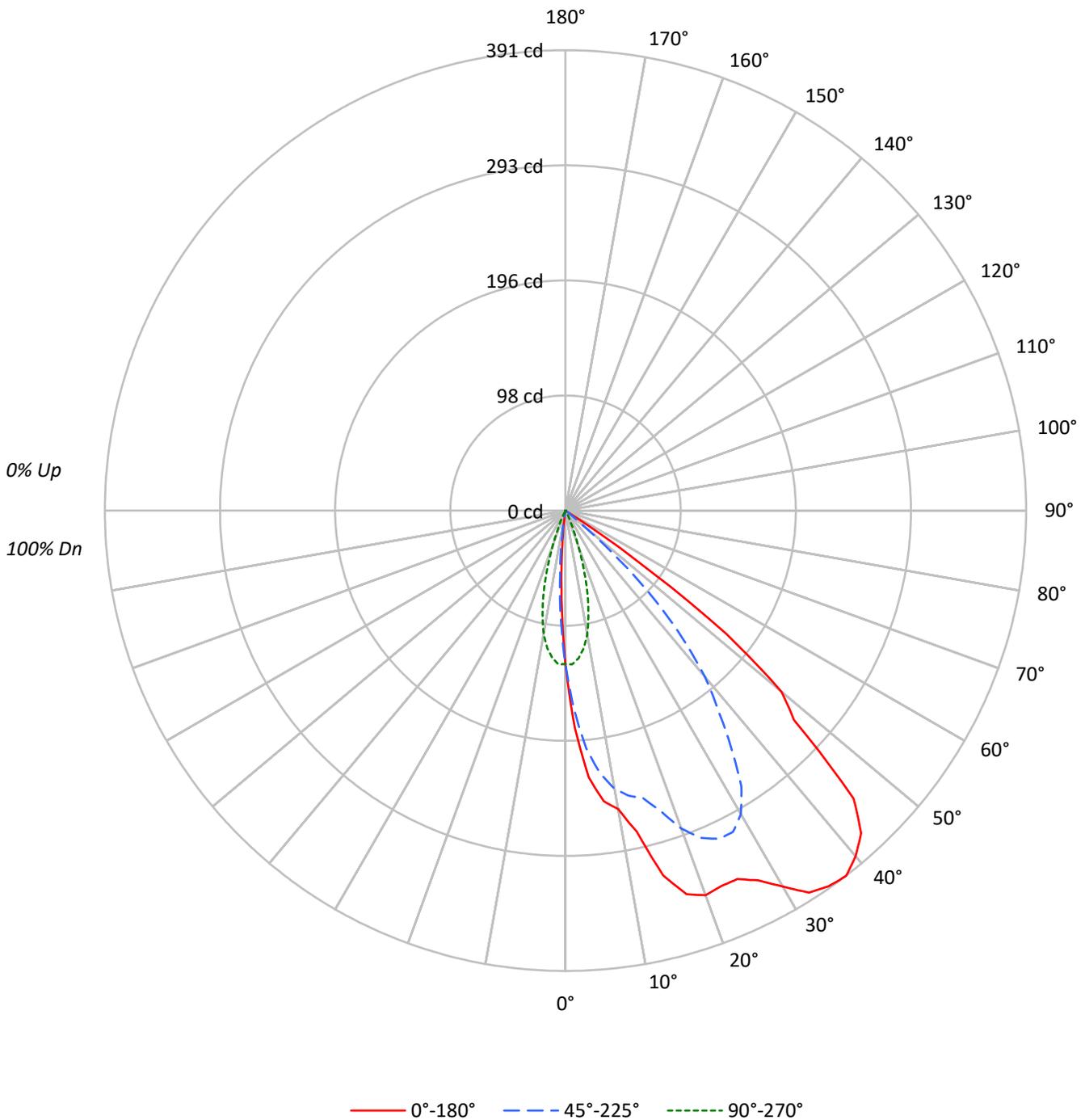
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 241.0 lumens
Efficiency: N/A
Efficacy: 66.9 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 (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	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	88	86	84	82
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	75	71	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	64	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	22423	22423	22423	22423	22423
5°	39313	35043	21766	9042	5204
10°	44996	41936	18607	997	350
15°	57180	45020	12766	196	125
20°	63707	52673	5608	0	0
25°	65597	58452	1596	0	0
30°	73282	59222	219	0	0
35°	81890	51426	0	0	0
40°	86151	41389	0	0	0
45°	84223	26158	0	0	0
50°	64143	5332	0	0	0
55°	21018	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	496	198	0
85°	0	395	395	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 84223 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	4.9
10°-20°	34.9	14.5
20°-30°	56.7	23.5
30°-40°	67.4	28.0
40°-50°	55.1	22.9
50°-60°	14.6	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°	103.5	42.9
0°-40°	170.9	70.9
0°-60°	240.6	99.8
0°-90°	241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	241.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	130	130	130	130	130	
5°	227	203	126	52	30	22
15°	321	252	72	1	1	90
25°	345	308	8	0	0	163
35°	390	245	0	0	0	242
45°	346	107	0	0	0	248
55°	70	0	0	0	0	79
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2
2.5°	184.8	183.4	183.7	183.0	183.7	180.7	177.6	174.6	172.4	169.2	149.9
5°	227.4	225.1	224.4	223.5	222.6	219.0	216.1	212.4	208.1	202.7	167.4
7.5°	248.9	247.1	246.2	246.6	244.6	243.2	239.4	235.3	230.8	224.9	180.5
10°	257.3	255.5	255.2	255.0	254.8	253.9	252.1	248.4	244.4	239.8	188.0
12.5°	279.2	275.2	272.5	269.3	265.4	260.5	256.4	253.2	251.6	248.0	191.4
15°	320.7	316.8	313.9	309.8	302.6	291.9	282.2	269.7	258.9	252.5	190.0
17.5°	341.5	339.7	337.2	334.5	329.5	321.8	311.9	298.7	284.9	267.0	183.4
20°	347.6	346.7	344.9	343.8	340.4	335.0	328.2	318.0	305.1	287.4	173.3
22.5°	345.2	345.8	346.7	349.7	350.1	346.3	339.9	330.2	317.1	300.8	157.6
25°	345.2	344.7	344.7	350.8	354.7	352.9	348.3	339.5	326.1	307.6	138.4
27.5°	354.0	351.3	345.6	351.9	358.3	357.6	353.5	343.1	328.2	307.8	114.8
30°	368.5	362.6	353.3	359.2	365.1	362.6	356.0	342.7	323.6	297.8	86.1
32.5°	384.6	381.8	377.1	380.9	380.0	370.1	358.3	339.7	314.4	277.9	58.0
35°	389.5	390.0	386.8	386.1	380.9	370.7	358.3	331.3	294.9	244.6	34.4
37.5°	391.1	391.4	386.4	380.0	372.3	360.3	345.4	314.1	258.9	212.4	18.3
40°	383.2	383.0	374.8	367.1	358.5	346.7	325.0	277.9	224.7	184.1	6.6
42.5°	371.4	368.5	360.8	351.3	340.9	326.1	292.2	234.6	195.2	147.4	0.5
45°	345.8	343.1	337.0	326.8	315.3	294.4	240.7	201.6	158.8	107.4	0.0
47.5°	262.9	261.6	267.9	269.3	269.1	245.3	200.9	164.4	116.6	62.5	0.0
50°	239.4	237.6	231.2	223.1	208.6	188.7	161.0	121.8	68.4	19.9	0.0
52.5°	171.9	177.8	179.1	173.0	159.4	139.7	111.0	70.2	23.8	0.0	0.0
55°	70.0	66.4	69.1	72.5	75.2	69.1	51.2	24.9	0.2	0.0	0.0
57.5°	0.0	0.2	1.4	3.2	5.2	6.6	7.0	0.5	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	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5
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°	130.2	130.2	130.2	130.2	130.2
2.5°	130.7	110.5	91.0	80.4	75.2
5°	125.9	84.5	52.3	36.2	30.1
7.5°	118.0	58.0	20.8	8.6	6.1
10°	106.4	33.3	5.7	2.3	2.0
12.5°	89.9	15.2	2.0	1.6	1.6
15°	71.6	5.2	1.1	0.9	0.7
17.5°	50.3	1.4	0.5	0.0	0.0
20°	30.6	0.2	0.0	0.0	0.0
22.5°	17.0	0.0	0.0	0.0	0.0
25°	8.4	0.0	0.0	0.0	0.0
27.5°	3.6	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°	0.5	0.2	0.2	0.0	0.0
80°	0.5	0.2	0.2	0.0	0.0
82.5°	0.5	0.2	0.2	0.0	0.0
85°	0.2	0.2	0.2	0.0	0.0
87.5°	0.5	0.2	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)