

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: P1319732

Luminaire Tested: LDSQA3D02R609840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319732
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R609840DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

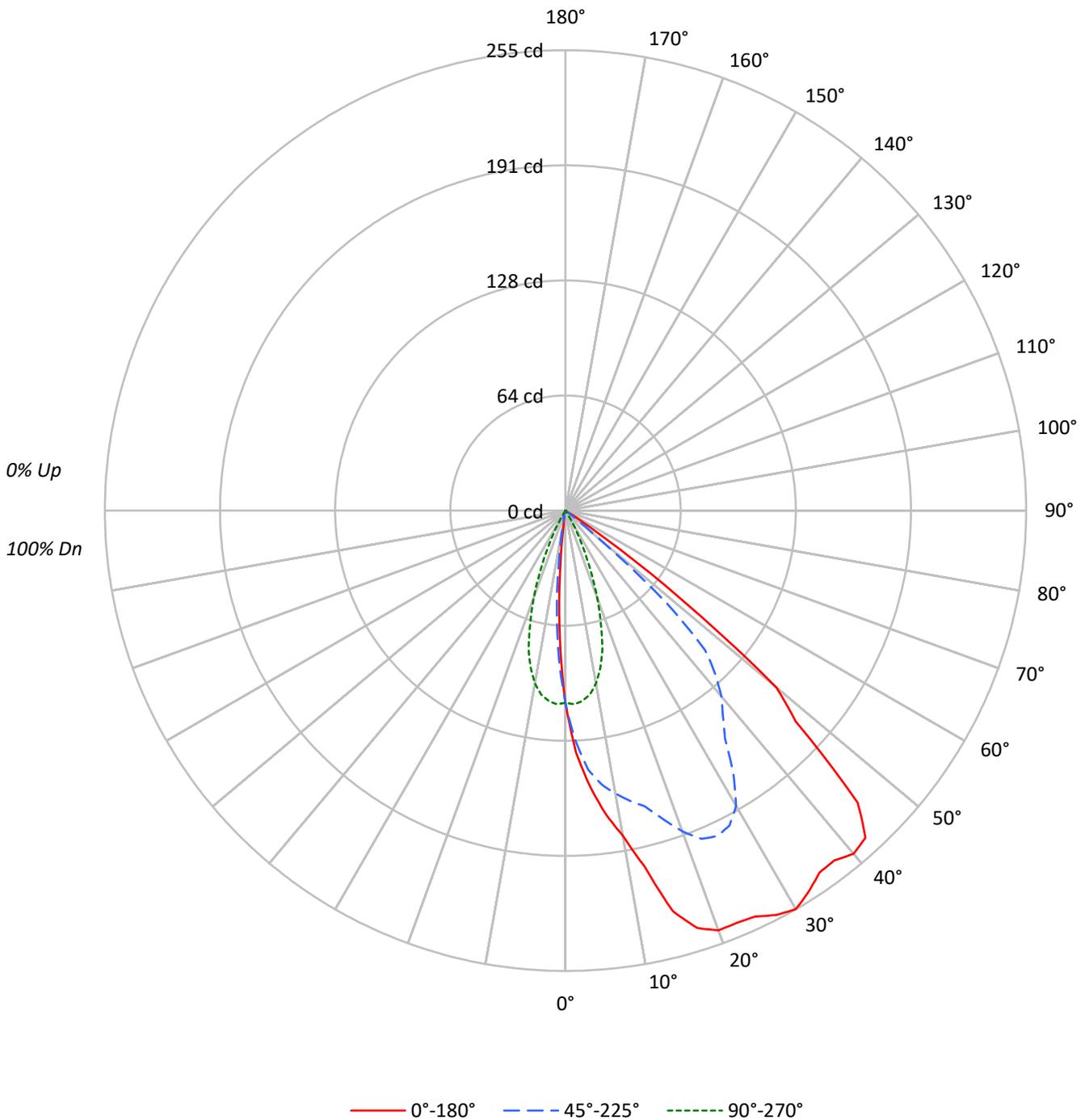
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 173.0 lumens
Efficiency: N/A
Efficacy: 48.1 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
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				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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91				91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82				82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74				74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66				66
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	60				60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54				54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49				49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44				44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40				40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37				37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	18324	18324	18324	18324	18324
5°	26416	24878	18308	9422	6051
10°	31968	27823	16998	1119	665
15°	40955	30222	14086	749	606
20°	45342	34639	9439	422	73
25°	47146	37796	4637	38	0
30°	50691	37546	1273	0	0
35°	51489	32336	0	0	0
40°	55778	30148	0	0	0
45°	55726	26621	0	0	0
50°	40806	6457	0	0	0
55°	7957	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	198	198	0
85°	0	395	395	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 55824 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	5.3
10°-20°	26.0	15.0
20°-30°	41.5	24.0
30°-40°	48.0	27.7
40°-50°	38.1	22.0
50°-60°	10.0	5.8
60°-70°	0.1	0.0
70°-80°	0.1	0.1
80°-90°	0.1	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°	76.7	44.3
0°-40°	124.6	72.0
0°-60°	172.7	99.8
0°-90°	173.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	173.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	106	106	106	106	106	
5°	153	144	106	54	35	15
15°	230	170	79	4	3	64
25°	248	199	24	0	0	116
35°	245	154	0	0	0	156
45°	229	109	0	0	0	163
55°	26	0	0	0	0	40
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°	50°
0°	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.4
2.5°	133.9	135.2	134.7	134.1	132.8	132.2	132.2	130.7	128.2	127.8	126.1
5°	152.8	153.2	153.2	152.8	151.9	150.4	150.0	148.5	146.2	143.9	141.7
7.5°	169.3	169.1	168.0	167.2	165.5	163.4	161.6	159.5	156.1	153.0	149.8
10°	182.8	183.3	182.4	180.5	178.2	175.4	172.4	168.8	163.6	159.1	154.9
12.5°	201.7	201.5	199.1	195.8	190.3	185.0	180.3	176.3	170.1	164.6	159.5
15°	229.7	229.4	227.1	224.2	216.3	208.3	200.2	189.0	178.6	169.5	162.3
17.5°	242.4	243.2	241.3	239.8	235.2	229.9	222.7	211.6	195.5	179.0	163.8
20°	247.4	248.3	247.0	246.8	244.7	242.2	236.4	224.2	208.5	189.0	170.3
22.5°	247.2	247.9	247.4	249.8	252.3	250.9	243.8	231.6	215.5	196.8	175.6
25°	248.1	247.5	245.5	249.1	252.7	251.5	247.9	237.5	219.9	198.9	177.5
27.5°	252.5	248.3	244.1	248.7	250.4	250.8	248.7	236.4	219.1	196.6	173.7
30°	254.9	250.4	247.0	250.8	250.8	252.8	248.5	234.5	212.7	188.8	163.6
32.5°	250.4	249.4	252.5	256.3	257.2	257.2	247.5	228.2	201.9	172.9	147.5
35°	244.9	247.2	255.9	257.6	257.6	253.4	241.7	217.2	185.8	153.8	135.6
37.5°	244.3	247.9	257.6	255.5	252.1	244.3	227.3	198.1	162.9	143.0	126.7
40°	248.1	251.5	257.2	249.6	241.5	229.4	208.9	173.1	149.1	134.1	115.9
42.5°	245.8	249.1	249.2	238.1	226.5	210.0	183.0	152.8	139.0	122.7	103.6
45°	228.8	229.2	228.4	216.5	204.5	187.5	158.7	142.8	128.0	109.3	76.1
47.5°	172.9	172.2	175.0	171.6	172.2	161.9	144.1	131.1	113.4	76.7	23.1
50°	152.3	151.3	148.5	145.5	142.4	137.5	129.2	115.2	81.8	24.1	0.8
52.5°	81.6	86.2	95.1	108.7	113.8	113.4	107.2	85.2	25.8	0.2	0.0
55°	26.5	26.1	29.2	34.5	47.3	54.5	56.8	29.0	0.6	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	1.9	4.9	6.4	0.4	0.0	0.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
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	0.0	0.0	0.2	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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	0.2	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	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
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	0.2	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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.4
2.5°	123.9	121.2	118.2	107.4	94.7	82.4	73.5	71.2
5°	138.1	133.5	127.1	105.9	78.2	54.5	39.0	35.0
7.5°	145.5	141.5	134.7	102.8	60.6	26.9	10.0	6.8
10°	150.0	145.3	137.7	97.2	39.6	6.4	3.6	3.8
12.5°	153.2	147.7	139.2	89.0	20.1	3.2	4.5	4.7
15°	154.5	148.7	139.0	79.0	7.2	4.2	4.0	3.4
17.5°	153.8	146.4	136.6	64.6	2.5	4.0	2.1	1.7
20°	152.8	144.5	132.6	51.5	2.1	2.3	0.8	0.4
22.5°	155.9	141.3	127.1	36.9	2.1	0.8	0.0	0.0
25°	156.3	140.0	120.1	24.4	0.9	0.2	0.0	0.0
27.5°	152.5	132.2	109.3	14.4	0.0	0.0	0.0	0.0
30°	140.3	122.5	97.7	6.4	0.0	0.0	0.0	0.0
32.5°	128.4	111.7	84.8	1.5	0.0	0.0	0.0	0.0
35°	118.9	100.6	70.6	0.0	0.0	0.0	0.0	0.0
37.5°	107.2	87.3	52.7	0.0	0.0	0.0	0.0	0.0
40°	94.9	70.5	26.3	0.0	0.0	0.0	0.0	0.0
42.5°	74.1	33.5	2.7	0.0	0.0	0.0	0.0	0.0
45°	28.4	3.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
65°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
67.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
70°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
77.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
82.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)