

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: P1306727

Luminaire Tested: LDSQA3D02R609024DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R609024DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

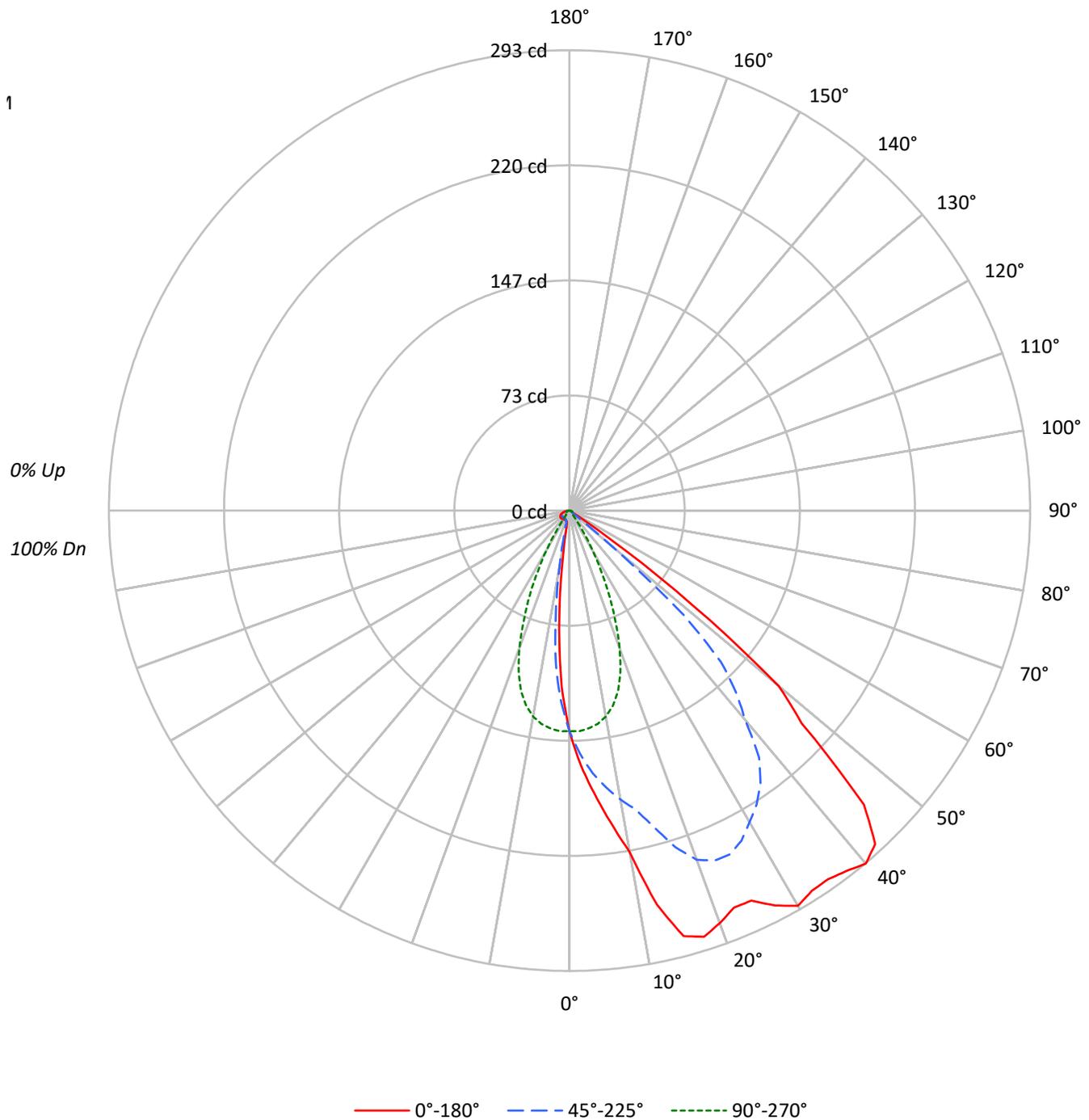
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 228.0 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
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	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	24163	24163	24163	24163	24163
5°	31222	28992	24048	17115	13070
10°	38578	32667	23259	6471	1924
15°	49977	37193	21217	1426	1266
20°	51207	43326	17081	1191	1228
25°	52029	45853	11459	1140	1235
30°	57751	45540	5906	1153	1293
35°	60235	44530	1619	1219	1409
40°	65917	39051	764	1304	1551
45°	64495	33197	779	1413	1729
50°	46486	8199	857	1554	1902
55°	8918	510	901	1681	2132
60°	448	517	896	1791	2308
65°	448	530	897	1834	2445
70°	453	554	856	1863	2518
75°	399	599	865	1863	2595
80°	198	595	893	1884	2579
85°	395	395	790	1778	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 64495 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	5.4
10°-20°	33.7	14.8
20°-30°	51.9	22.7
30°-40°	60.9	26.7
40°-50°	48.8	21.4
50°-60°	15.1	6.6
60°-70°	2.9	1.3
70°-80°	1.9	0.8
80°-90°	0.6	0.3
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°	97.8	42.9
0°-40°	158.6	69.6
0°-60°	222.6	97.6
0°-90°	228.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	228.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	140	140	140	140	140	
5°	181	168	139	99	76	18
15°	280	209	119	8	7	77
25°	274	241	60	6	6	129
35°	286	212	8	6	7	181
45°	265	136	3	6	7	189
55°	30	2	3	6	7	47
65°	1	1	2	4	6	1
75°	1	1	1	3	4	1
85°	0	0	0	1	1	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°	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3
2.5°	161.9	160.2	160.2	159.5	158.9	159.1	157.4	158.0	156.3	155.0	153.9
5°	180.6	178.5	178.2	177.2	176.1	175.2	173.1	171.8	169.2	167.7	164.5
7.5°	200.0	198.3	197.2	195.9	193.9	191.8	188.1	185.8	181.7	177.6	173.5
10°	220.6	219.1	216.8	215.3	209.9	206.4	201.5	198.3	192.2	186.8	180.6
12.5°	256.8	255.9	251.4	248.4	240.7	233.8	223.0	214.4	203.6	194.8	186.4
15°	280.3	279.2	276.8	274.0	269.1	261.3	251.6	239.6	224.5	208.6	194.4
17.5°	284.4	284.6	283.1	282.4	279.2	274.2	266.5	257.5	242.4	224.7	205.4
20°	279.4	281.1	280.7	282.0	282.6	280.7	275.5	266.7	253.6	236.4	214.6
22.5°	273.4	274.9	274.5	276.8	280.5	282.4	280.7	273.6	260.2	241.1	219.8
25°	273.8	274.9	271.7	273.2	277.9	282.6	282.9	276.6	262.2	241.3	219.4
27.5°	283.3	280.1	272.7	272.1	277.9	283.9	284.4	276.6	259.4	236.8	215.0
30°	290.4	288.0	279.8	278.8	284.4	288.4	286.3	274.2	252.7	229.0	208.8
32.5°	286.9	287.4	283.9	287.4	294.7	296.4	287.4	268.6	243.5	221.5	201.5
35°	286.5	288.2	290.2	295.6	300.5	296.4	282.0	258.1	233.6	211.8	190.1
37.5°	289.1	291.9	294.7	299.4	299.4	288.9	267.8	244.8	221.7	198.0	166.4
40°	293.2	294.9	295.8	295.3	289.5	274.0	251.6	228.6	206.6	173.7	150.7
42.5°	287.8	287.6	286.7	283.1	272.3	252.1	231.2	212.5	177.8	156.7	130.4
45°	264.8	264.8	262.4	256.6	246.7	229.9	211.4	184.0	162.1	136.3	96.9
47.5°	200.4	198.9	201.5	204.9	204.9	203.4	186.6	163.0	140.6	98.4	31.0
50°	173.5	171.1	167.9	168.5	168.1	169.8	159.1	141.2	104.0	30.6	2.2
52.5°	98.2	102.5	113.0	127.9	134.5	136.9	130.2	107.4	35.1	1.9	1.7
55°	29.7	30.6	34.7	42.6	57.9	74.0	75.1	34.9	2.4	1.7	1.7
57.5°	1.3	1.3	1.7	2.6	6.0	9.0	9.7	2.2	1.5	1.7	1.7
60°	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.7
62.5°	1.1	1.1	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.5
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.5
67.5°	0.9	0.9	0.9	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.3
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.1
72.5°	0.6	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9	0.9	1.1
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9
77.5°	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6
80°	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.2	0.2	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°	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3
2.5°	152.4	150.7	148.7	140.6	132.6	121.8	114.5	112.4
5°	161.7	158.9	154.6	139.1	120.3	99.0	81.8	75.6
7.5°	169.4	165.1	159.1	136.9	105.7	67.2	43.3	36.6
10°	175.0	169.6	161.9	133.0	86.3	37.0	14.6	11.0
12.5°	179.7	172.6	163.4	127.2	62.9	15.1	7.5	7.5
15°	183.0	174.4	164.0	119.0	40.7	8.0	7.1	7.1
17.5°	187.5	176.3	164.0	107.6	22.2	6.9	6.9	6.9
20°	194.8	178.2	161.7	93.2	12.3	6.5	6.7	6.7
22.5°	198.7	181.0	158.6	76.4	7.7	6.2	6.5	6.5
25°	199.5	180.6	152.2	60.3	6.2	6.0	6.2	6.5
27.5°	196.5	177.6	143.6	43.9	5.6	5.8	6.2	6.5
30°	191.2	170.3	129.8	29.7	5.2	5.8	6.2	6.5
32.5°	181.0	152.6	113.7	17.9	5.0	5.8	6.2	6.7
35°	158.4	134.1	95.1	7.7	4.7	5.8	6.5	6.7
37.5°	142.1	115.6	73.6	3.9	4.7	5.8	6.5	6.9
40°	124.0	93.0	34.0	3.4	4.7	5.8	6.5	6.9
42.5°	94.5	43.1	4.1	3.4	4.5	5.8	6.7	6.9
45°	34.4	4.5	2.2	3.2	4.5	5.8	6.7	7.1
47.5°	2.6	1.7	1.9	3.2	4.5	5.8	6.7	7.1
50°	1.7	1.7	1.9	3.2	4.5	5.8	6.7	7.1
52.5°	1.7	1.9	1.9	3.0	4.3	5.8	6.7	7.1
55°	1.7	1.9	1.9	3.0	4.3	5.6	6.7	7.1
57.5°	1.7	1.7	1.9	2.8	4.1	5.4	6.7	6.9
60°	1.7	1.7	1.9	2.6	3.9	5.2	6.2	6.7
62.5°	1.7	1.7	1.7	2.4	3.7	5.0	6.0	6.5
65°	1.5	1.5	1.7	2.2	3.2	4.5	5.6	6.0
67.5°	1.3	1.5	1.5	1.9	3.0	4.1	5.2	5.6
70°	1.3	1.3	1.3	1.7	2.6	3.7	4.7	5.0
72.5°	1.1	1.1	1.3	1.5	2.4	3.2	4.3	4.5
75°	0.9	1.1	1.1	1.3	1.9	2.8	3.7	3.9
77.5°	0.9	0.9	0.9	1.1	1.7	2.4	3.0	3.2
80°	0.6	0.6	0.6	0.9	1.3	1.9	2.4	2.6
82.5°	0.4	0.6	0.6	0.6	1.1	1.3	1.7	1.9
85°	0.4	0.4	0.4	0.4	0.6	0.9	1.1	1.3
87.5°	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)