

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: P1316164

Luminaire Tested: LDSQA3D02R609740DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316164
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: LDSQA3D02R609740DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

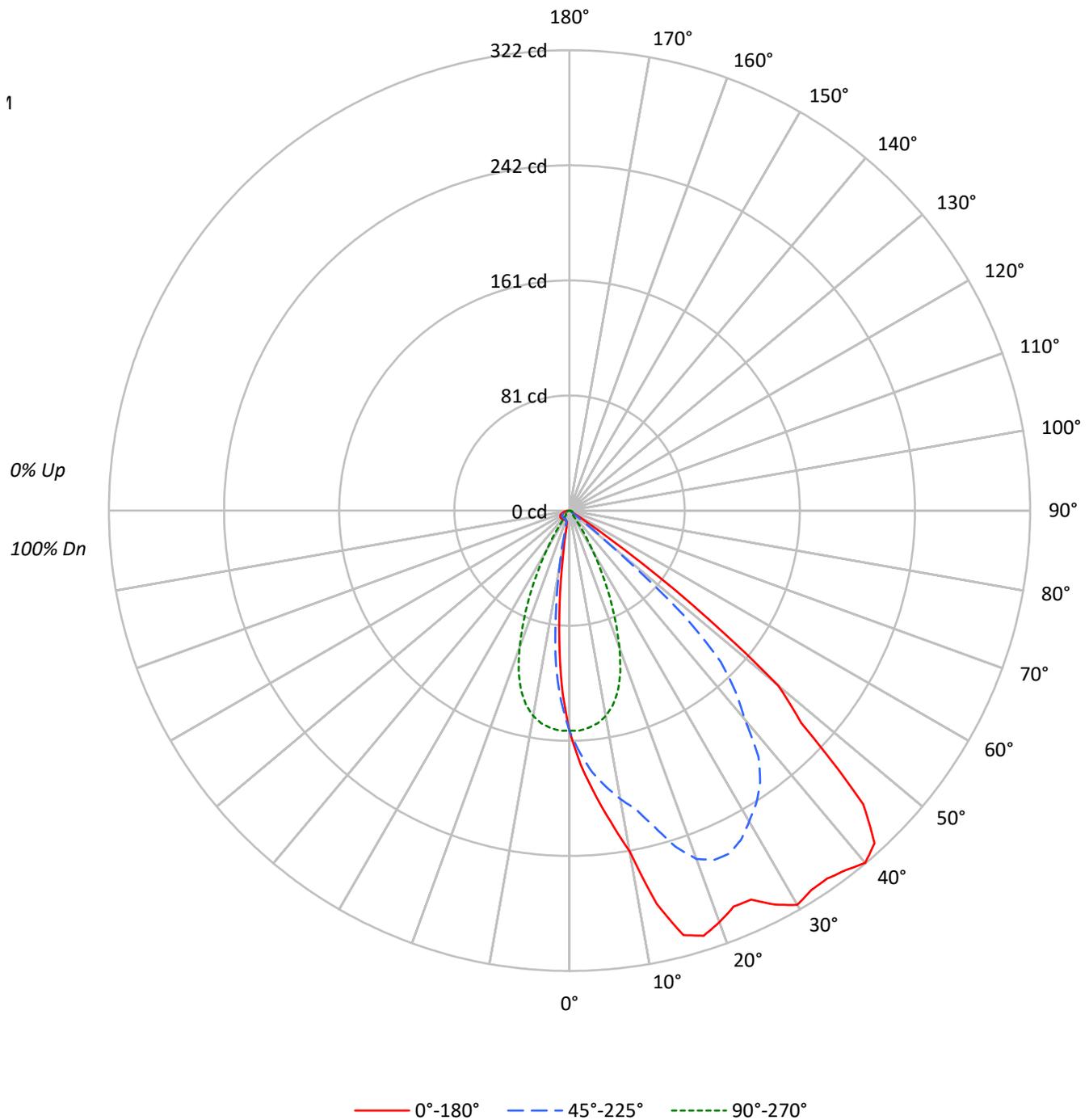
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 250.0 lumens
Efficiency: N/A
Efficacy: 69.4 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 (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	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°	26505	26505	26505	26505	26505
5°	34230	31793	26364	18775	14315
10°	42303	35833	25515	7100	2099
15°	54791	40777	23268	1551	1391
20°	56156	47505	18731	1301	1338
25°	57046	50281	12561	1254	1349
30°	63319	49935	6483	1273	1412
35°	66059	48840	1787	1346	1535
40°	72280	42828	854	1439	1709
45°	70705	36388	852	1559	1900
50°	50960	8976	938	1715	2090
55°	9789	570	991	1832	2342
60°	482	586	964	1963	2514
65°	489	571	978	2038	2690
70°	453	604	957	2014	2719
75°	466	599	932	2063	2795
80°	198	694	893	2083	2777
85°	395	395	988	1778	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 70705 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	5.4
10°-20°	36.9	14.8
20°-30°	56.9	22.7
30°-40°	66.7	26.7
40°-50°	53.5	21.4
50°-60°	16.6	6.6
60°-70°	3.1	1.3
70°-80°	2.1	0.8
80°-90°	0.7	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°	107.2	42.9
0°-40°	173.9	69.6
0°-60°	244.0	97.6
0°-90°	250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	250.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	154	154	154	154	154	
5°	198	184	152	109	83	20
15°	307	229	130	9	8	84
25°	300	265	66	7	7	142
35°	314	232	8	6	7	199
45°	290	149	4	6	8	208
55°	33	2	3	6	8	52
65°	1	1	2	5	7	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°	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9
2.5°	177.5	175.6	175.6	174.9	174.2	174.4	172.5	173.2	171.4	169.9	168.8
5°	198.0	195.7	195.4	194.3	193.1	192.1	189.8	188.4	185.5	183.9	180.3
7.5°	219.3	217.4	216.2	214.8	212.7	210.3	206.3	203.7	199.2	194.7	190.2
10°	241.9	240.3	237.7	236.0	230.1	226.4	220.9	217.4	210.8	204.9	198.0
12.5°	281.6	280.6	275.7	272.4	263.9	256.3	244.5	235.1	223.3	213.6	204.4
15°	307.3	306.1	303.5	300.5	295.0	286.5	275.9	262.7	246.2	228.7	213.1
17.5°	311.8	312.0	310.4	309.7	306.1	300.7	292.2	282.3	265.8	246.4	225.2
20°	306.4	308.3	307.8	309.2	309.9	307.8	302.1	292.4	278.0	259.2	235.3
22.5°	299.8	301.4	300.9	303.5	307.5	309.7	307.8	300.0	285.4	264.4	241.0
25°	300.2	301.4	297.9	299.5	304.7	309.9	310.1	303.3	287.5	264.6	240.5
27.5°	310.6	307.1	299.1	298.3	304.7	311.3	311.8	303.3	284.4	259.6	235.8
30°	318.4	315.8	306.8	305.7	311.8	316.3	313.9	300.7	277.1	251.1	229.0
32.5°	314.6	315.1	311.3	315.1	323.1	325.0	315.1	294.6	267.0	242.9	220.9
35°	314.2	316.0	318.2	324.1	329.5	325.0	309.2	283.0	256.1	232.3	208.4
37.5°	317.0	320.1	323.1	328.3	328.3	316.8	293.6	268.4	243.1	217.1	182.5
40°	321.5	323.4	324.3	323.8	317.5	300.5	275.9	250.7	226.6	190.5	165.2
42.5°	315.6	315.3	314.4	310.4	298.6	276.4	253.5	233.0	195.0	171.8	143.0
45°	290.3	290.3	287.7	281.3	270.5	252.1	231.8	201.8	177.7	149.4	106.2
47.5°	219.7	218.1	220.9	224.7	224.7	223.0	204.6	178.7	154.1	107.9	34.0
50°	190.2	187.6	184.1	184.8	184.3	186.2	174.4	154.8	114.0	33.5	2.4
52.5°	107.6	112.4	123.9	140.2	147.5	150.1	142.8	117.8	38.5	2.1	1.9
55°	32.6	33.5	38.0	46.7	63.5	81.2	82.4	38.2	2.6	1.9	1.9
57.5°	1.4	1.4	1.9	2.8	6.6	9.9	10.6	2.4	1.7	1.9	1.9
60°	1.4	1.4	1.4	1.4	1.4	1.4	1.7	1.7	1.7	1.7	1.9
62.5°	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.7	1.7	1.7
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.7
67.5°	0.9	0.9	0.9	1.2	1.2	1.2	1.2	1.2	1.4	1.4	1.4
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.2	1.2	1.2	1.2
72.5°	0.7	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.9	1.2
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.9
77.5°	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7
80°	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
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°	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9
2.5°	167.1	165.2	163.1	154.1	145.4	133.6	125.6	123.2
5°	177.3	174.2	169.5	152.5	131.9	108.6	89.7	82.8
7.5°	185.8	181.0	174.4	150.1	115.9	73.6	47.4	40.1
10°	191.9	186.0	177.5	145.9	94.6	40.6	16.1	12.0
12.5°	197.1	189.3	179.1	139.5	68.9	16.5	8.3	8.3
15°	200.6	191.2	179.9	130.5	44.6	8.7	7.8	7.8
17.5°	205.6	193.3	179.9	118.0	24.3	7.6	7.6	7.6
20°	213.6	195.4	177.3	102.2	13.5	7.1	7.3	7.3
22.5°	217.9	198.5	174.0	83.8	8.5	6.8	7.1	7.1
25°	218.8	198.0	166.9	66.1	6.8	6.6	6.8	7.1
27.5°	215.5	194.7	157.4	48.2	6.1	6.4	6.8	7.1
30°	209.6	186.7	142.3	32.6	5.7	6.4	6.8	7.1
32.5°	198.5	167.3	124.6	19.6	5.4	6.4	6.8	7.3
35°	173.7	147.0	104.3	8.5	5.2	6.4	7.1	7.3
37.5°	155.8	126.7	80.7	4.2	5.2	6.4	7.1	7.6
40°	136.0	102.0	37.3	3.8	5.2	6.4	7.1	7.6
42.5°	103.6	47.2	4.5	3.8	5.0	6.4	7.3	7.6
45°	37.8	5.0	2.4	3.5	5.0	6.4	7.3	7.8
47.5°	2.8	1.9	2.1	3.5	5.0	6.4	7.3	7.8
50°	1.9	1.9	2.1	3.5	5.0	6.4	7.3	7.8
52.5°	1.9	2.1	2.1	3.3	4.7	6.4	7.3	7.8
55°	1.9	2.1	2.1	3.3	4.7	6.1	7.3	7.8
57.5°	1.9	1.9	2.1	3.1	4.5	5.9	7.3	7.6
60°	1.9	1.9	2.1	2.8	4.2	5.7	6.8	7.3
62.5°	1.9	1.9	1.9	2.6	4.0	5.4	6.6	7.1
65°	1.7	1.7	1.9	2.4	3.5	5.0	6.1	6.6
67.5°	1.4	1.7	1.7	2.1	3.3	4.5	5.7	6.1
70°	1.4	1.4	1.4	1.9	2.8	4.0	5.2	5.4
72.5°	1.2	1.2	1.4	1.7	2.6	3.5	4.7	5.0
75°	0.9	1.2	1.2	1.4	2.1	3.1	4.0	4.2
77.5°	0.9	0.9	0.9	1.2	1.9	2.6	3.3	3.5
80°	0.7	0.7	0.7	0.9	1.4	2.1	2.6	2.8
82.5°	0.5	0.7	0.7	0.7	1.2	1.4	1.9	2.1
85°	0.5	0.5	0.5	0.5	0.7	0.9	1.2	1.4
87.5°	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)