

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: P1318871

Luminaire Tested: LDSQA3D02R709835DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318871
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R709835DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

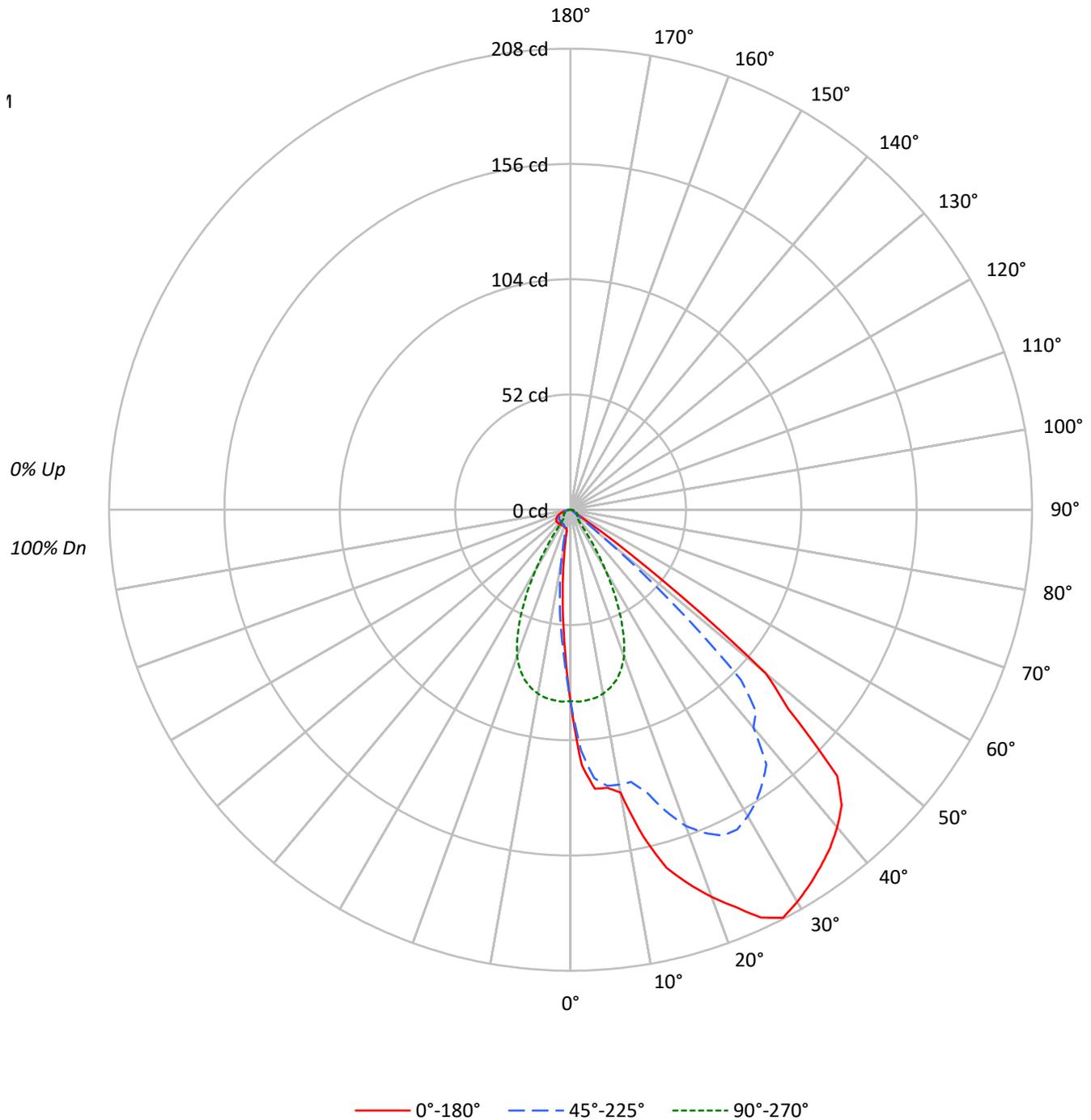
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 164.0 lumens
Efficiency: N/A
Efficacy: 45.6 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 0.89 / 1.39
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

TEST NUMBER: P1318871
CATALOG NUMBER: LDSQA3D02R709835DE010 3LSQCA30R 1MW

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	102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	92	92	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	82	82	82	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	73	73	73	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	65	65	65	64
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	59	59	59	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	53	53	53	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	48	48	48	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	40	40	40	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	36	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	14863	14863	14863	14863	14863
5°	21852	21005	14920	8903	6984
10°	22647	22035	14742	4267	1731
15°	29829	23500	14193	1533	1498
20°	34071	27821	12921	1466	1503
25°	38575	30841	10147	1406	1482
30°	40628	31759	6284	1412	1591
35°	41313	31684	2081	1451	1682
40°	42041	28822	1012	1551	1844
45°	41381	26475	1047	1632	1997
50°	30758	4876	1045	1795	2197
55°	2462	661	1111	1892	2342
60°	517	689	1102	1929	2446
65°	530	693	1060	1915	2486
70°	453	655	1007	1762	2417
75°	399	599	865	1730	2329
80°	397	595	893	1686	2182
85°	395	790	1186	1383	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 41868 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	4.8
10°-20°	22.1	13.5
20°-30°	37.1	22.6
30°-40°	44.6	27.2
40°-50°	35.4	21.6
50°-60°	11.3	6.9
60°-70°	3.2	1.9
70°-80°	1.9	1.1
80°-90°	0.6	0.4
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°	67.1	40.9
0°-40°	111.7	68.1
0°-60°	158.4	96.6
0°-90°	164.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	164.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	86	86	86	86	86	
5°	126	122	86	52	40	12
15°	167	132	80	9	8	47
25°	203	162	53	7	8	93
35°	196	151	10	7	8	123
45°	170	109	4	7	8	122
55°	8	2	4	6	8	26
65°	1	2	3	5	6	1
75°	1	1	1	3	4	1
85°	0	0	1	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°	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
2.5°	115.2	115.9	115.9	115.0	115.4	113.9	112.8	111.1	110.7	108.7	106.1
5°	126.4	126.0	126.0	125.2	125.6	125.1	124.5	124.1	123.0	121.5	120.0
7.5°	126.5	126.9	127.1	126.9	127.7	127.1	127.1	127.1	126.4	125.6	124.1
10°	129.5	129.0	128.4	127.1	126.4	125.8	125.8	126.0	126.4	126.0	125.1
12.5°	150.9	148.9	147.9	144.8	142.4	138.3	133.6	130.1	126.9	125.8	125.1
15°	167.3	166.9	165.1	162.1	159.1	154.3	148.9	143.5	137.7	131.8	127.5
17.5°	177.0	176.2	174.4	171.2	167.7	163.2	158.9	154.8	149.2	142.5	135.7
20°	185.9	184.2	181.8	178.1	174.6	170.3	165.6	161.7	157.1	151.8	143.8
22.5°	193.9	192.4	188.5	183.5	179.9	175.9	171.8	168.0	163.8	157.8	150.5
25°	203.0	199.7	193.3	186.8	182.6	179.2	176.2	173.2	168.8	162.3	153.7
27.5°	207.5	202.8	196.0	189.4	185.3	181.8	178.6	175.7	170.6	162.6	152.8
30°	204.3	201.7	196.9	191.9	188.5	185.2	181.4	177.0	169.0	159.7	150.5
32.5°	200.6	199.3	197.1	194.1	192.0	188.7	183.5	176.2	165.1	155.9	146.1
35°	196.5	196.0	195.2	193.9	192.6	189.4	182.9	172.3	161.2	150.7	141.2
37.5°	192.2	191.7	192.2	192.0	190.9	186.8	177.0	167.1	155.6	145.0	126.5
40°	187.0	186.6	187.6	188.5	187.2	181.8	171.2	159.3	149.1	128.2	121.9
42.5°	180.9	180.7	182.4	183.1	181.3	173.2	160.8	152.0	130.4	123.7	108.9
45°	169.9	170.3	171.0	171.9	170.8	162.1	150.7	134.7	125.2	108.7	62.0
47.5°	133.1	133.4	137.1	145.0	150.4	147.4	137.7	125.8	112.0	62.2	19.5
50°	114.8	114.4	114.6	116.5	120.8	124.9	121.9	115.4	66.8	18.2	2.4
52.5°	50.4	56.0	62.0	78.7	89.5	100.9	103.1	72.2	21.8	2.4	2.4
55°	8.2	8.6	10.8	15.8	28.5	43.0	52.1	24.2	2.2	2.2	2.2
57.5°	1.7	1.7	1.7	1.9	2.8	6.0	6.9	2.0	2.0	2.0	2.2
60°	1.5	1.5	1.5	1.5	1.7	1.7	1.7	1.9	1.9	2.0	2.0
62.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.7	1.7	1.9	1.9	2.0
65°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.7	1.7	1.9
67.5°	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.5	1.5	1.5	1.7
70°	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.1	1.3	1.3	1.3
72.5°	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.9	1.1	1.1	1.1
75°	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.9	0.9
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6
82.5°	0.2	0.2	0.4	0.4	0.4	0.4	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	0.4	0.4	0.4	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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CATALOG NUMBER: LDSQA3D02R709835DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
2.5°	104.4	101.8	98.3	86.7	76.1	66.4	61.6	61.0
5°	117.6	115.2	109.2	86.3	66.1	51.5	42.8	40.4
7.5°	122.6	120.6	115.4	85.6	56.6	37.0	27.2	23.4
10°	123.9	122.6	118.2	84.3	46.7	24.4	12.8	9.9
12.5°	124.5	123.6	119.3	82.3	36.8	12.7	8.7	8.7
15°	125.4	124.5	120.4	79.6	27.2	8.6	8.4	8.4
17.5°	129.5	126.5	121.9	75.7	17.9	8.2	8.2	8.2
20°	136.2	129.7	122.6	70.5	11.2	8.0	8.0	8.2
22.5°	141.8	133.1	122.4	62.7	8.2	7.6	7.8	8.0
25°	144.2	134.5	120.8	53.4	7.1	7.4	7.8	7.8
27.5°	143.8	135.1	119.3	42.8	6.7	7.3	7.6	8.0
30°	141.8	133.6	115.9	31.6	6.3	7.1	7.6	8.0
32.5°	138.3	127.8	109.2	20.5	6.1	7.1	7.6	8.0
35°	126.7	118.5	99.6	9.9	6.0	6.9	7.8	8.0
37.5°	120.0	108.7	75.9	4.8	5.8	6.9	7.8	8.0
40°	109.2	81.1	34.2	4.5	5.8	6.9	7.8	8.2
42.5°	68.7	33.3	5.6	4.3	5.6	6.9	7.8	8.2
45°	25.1	4.5	3.0	4.3	5.6	6.7	7.8	8.2
47.5°	2.6	2.6	2.8	4.1	5.4	6.7	7.8	8.2
50°	2.4	2.6	2.8	3.9	5.2	6.7	7.6	8.2
52.5°	2.4	2.6	2.8	3.9	5.0	6.5	7.6	8.2
55°	2.4	2.6	2.6	3.7	4.8	6.3	7.4	7.8
57.5°	2.2	2.4	2.6	3.5	4.7	6.0	7.3	7.6
60°	2.2	2.4	2.6	3.2	4.5	5.6	6.9	7.1
62.5°	2.0	2.2	2.4	3.0	4.1	5.2	6.3	6.7
65°	2.0	2.0	2.2	2.6	3.7	4.7	5.8	6.1
67.5°	1.7	1.9	1.9	2.2	3.2	4.1	5.2	5.6
70°	1.5	1.5	1.7	2.0	2.8	3.5	4.5	4.8
72.5°	1.3	1.3	1.3	1.7	2.4	3.2	3.9	4.3
75°	1.1	1.1	1.1	1.3	2.0	2.6	3.3	3.5
77.5°	0.9	0.9	0.9	1.1	1.7	2.2	2.6	3.0
80°	0.7	0.7	0.7	0.9	1.3	1.7	2.0	2.2
82.5°	0.6	0.6	0.6	0.7	0.9	1.1	1.5	1.5
85°	0.4	0.4	0.4	0.6	0.6	0.7	0.9	0.9
87.5°	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)