

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: P1318858

Luminaire Tested: LDSQA3D02R609835DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318858
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: LDSQA3D02R609835DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

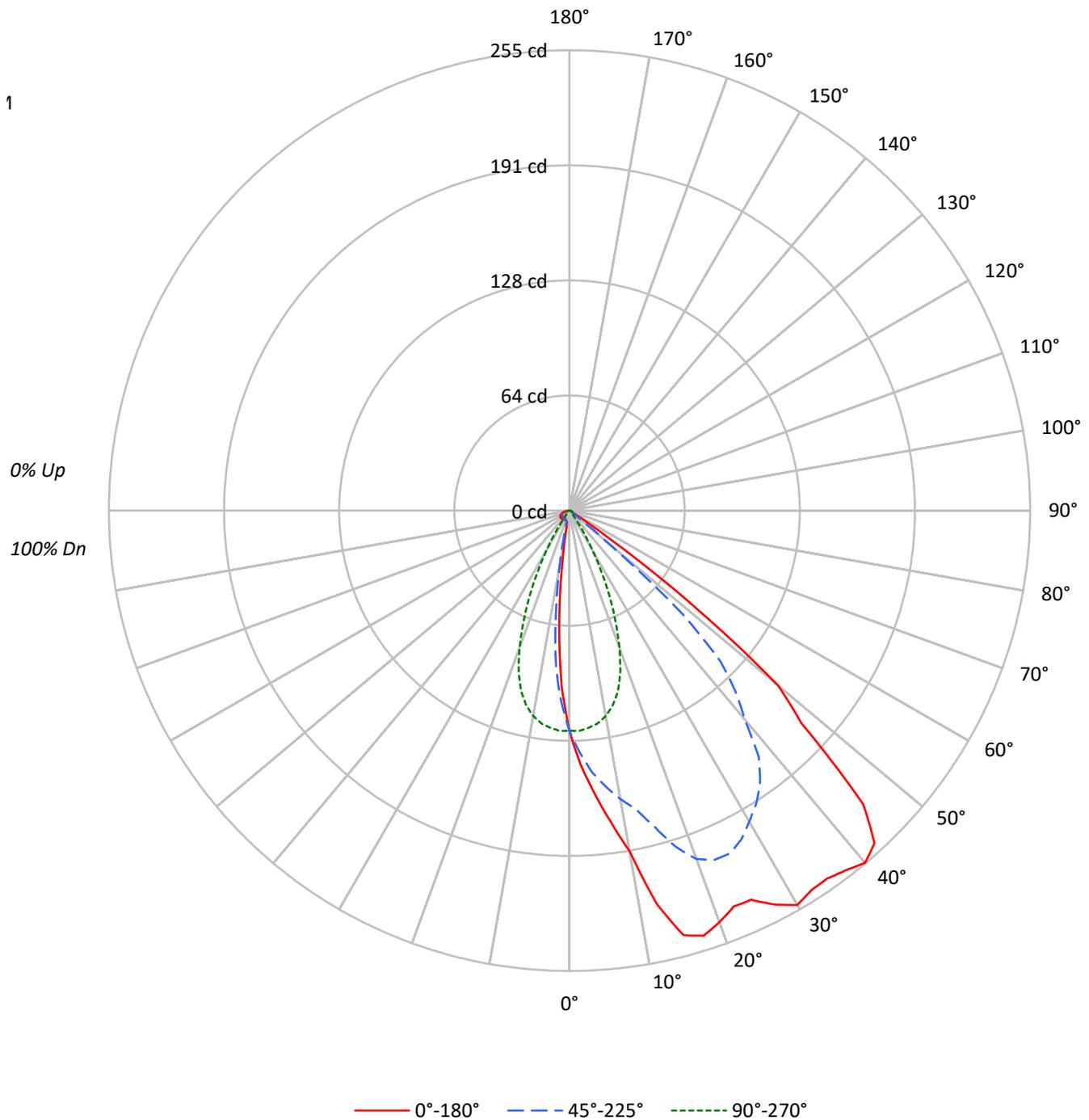
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 198.0 lumens
Efficiency: N/A
Efficacy: 55.0 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	80	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°	20994	20994	20994	20994	20994
5°	27108	25171	20884	14868	11341
10°	33507	28383	20199	5631	1661
15°	43398	32290	18436	1230	1105
20°	44463	37626	14827	1026	1063
25°	45188	39830	9938	988	1064
30°	50154	39554	5131	994	1114
35°	52309	38664	1409	1051	1219
40°	57239	33925	674	1124	1349
45°	55994	28813	682	1218	1510
50°	40377	7100	750	1340	1661
55°	7747	450	781	1471	1862
60°	379	448	758	1550	1998
65°	367	448	774	1589	2119
70°	352	453	755	1611	2165
75°	399	466	732	1597	2262
80°	198	595	694	1686	2182
85°	395	395	790	1383	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 55994 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.6	5.4
10°-20°	29.3	14.8
20°-30°	45.0	22.7
30°-40°	52.8	26.7
40°-50°	42.4	21.4
50°-60°	13.2	6.6
60°-70°	2.5	1.3
70°-80°	1.7	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°	84.9	42.9
0°-40°	137.7	69.6
0°-60°	193.3	97.6
0°-90°	198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	198.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	122	122	122	122	122	
5°	157	146	121	86	66	16
15°	243	181	103	7	6	67
25°	238	210	52	5	6	112
35°	249	184	7	5	6	157
45°	230	118	3	5	6	165
55°	26	2	3	5	6	41
65°	1	1	2	4	5	1
75°	1	1	1	2	3	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°	121.9	121.9	121.9	121.9	121.9	121.9	121.9	121.9	121.9	121.9	121.9
2.5°	140.6	139.1	139.1	138.5	138.0	138.1	136.7	137.2	135.7	134.6	133.7
5°	156.8	155.0	154.8	153.8	152.9	152.2	150.3	149.2	146.9	145.6	142.8
7.5°	173.7	172.2	171.2	170.1	168.4	166.6	163.4	161.3	157.8	154.2	150.7
10°	191.6	190.3	188.2	186.9	182.3	179.3	175.0	172.2	166.9	162.3	156.8
12.5°	223.0	222.3	218.3	215.7	209.0	203.0	193.7	186.2	176.8	169.2	161.9
15°	243.4	242.5	240.4	238.0	233.7	226.9	218.5	208.1	195.0	181.1	168.8
17.5°	246.9	247.1	245.8	245.3	242.5	238.2	231.4	223.6	210.5	195.2	178.3
20°	242.6	244.1	243.8	244.9	245.4	243.8	239.3	231.6	220.2	205.3	186.4
22.5°	237.4	238.7	238.3	240.4	243.6	245.3	243.8	237.6	226.0	209.4	190.9
25°	237.8	238.7	235.9	237.2	241.3	245.4	245.6	240.2	227.7	209.6	190.5
27.5°	246.0	243.2	236.8	236.3	241.3	246.6	246.9	240.2	225.3	205.6	186.7
30°	252.2	250.1	243.0	242.1	246.9	250.5	248.6	238.2	219.5	198.9	181.3
32.5°	249.2	249.6	246.6	249.6	255.9	257.4	249.6	233.3	211.4	192.4	175.0
35°	248.8	250.3	252.0	256.7	261.0	257.4	244.9	224.1	202.8	183.9	165.1
37.5°	251.1	253.5	255.9	260.0	260.0	250.9	232.5	212.5	192.5	172.0	144.5
40°	254.6	256.1	256.9	256.5	251.4	238.0	218.5	198.5	179.5	150.9	130.9
42.5°	249.9	249.7	249.0	245.8	236.5	218.9	200.8	184.5	154.4	136.1	113.3
45°	229.9	229.9	227.9	222.8	214.2	199.6	183.6	159.8	140.8	118.3	84.1
47.5°	174.0	172.7	175.0	178.0	178.0	176.7	162.1	141.5	122.1	85.4	26.9
50°	150.7	148.6	145.8	146.4	146.0	147.5	138.1	122.6	90.3	26.5	1.9
52.5°	85.2	89.0	98.1	111.0	116.8	118.9	113.1	93.3	30.5	1.7	1.5
55°	25.8	26.5	30.1	37.0	50.3	64.3	65.2	30.3	2.1	1.5	1.5
57.5°	1.1	1.1	1.5	2.2	5.2	7.9	8.4	1.9	1.3	1.5	1.5
60°	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.5
62.5°	0.9	0.9	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.3
65°	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.1	1.3
67.5°	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.9
72.5°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.9
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
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°	121.9	121.9	121.9	121.9	121.9	121.9	121.9	121.9
2.5°	132.4	130.9	129.2	122.1	115.2	105.8	99.5	97.6
5°	140.4	138.0	134.2	120.8	104.5	86.0	71.0	65.6
7.5°	147.1	143.4	138.1	118.9	91.8	58.3	37.6	31.8
10°	152.0	147.3	140.6	115.5	75.0	32.2	12.7	9.5
12.5°	156.1	149.9	141.9	110.5	54.6	13.1	6.5	6.5
15°	158.9	151.4	142.4	103.4	35.3	6.9	6.2	6.2
17.5°	162.8	153.1	142.4	93.5	19.3	6.0	6.0	6.0
20°	169.2	154.8	140.4	80.9	10.7	5.6	5.8	5.8
22.5°	172.5	157.2	137.8	66.4	6.7	5.4	5.6	5.6
25°	173.3	156.8	132.2	52.3	5.4	5.2	5.4	5.6
27.5°	170.7	154.2	124.7	38.1	4.9	5.0	5.4	5.6
30°	166.0	147.9	112.7	25.8	4.5	5.0	5.4	5.6
32.5°	157.2	132.5	98.7	15.5	4.3	5.0	5.4	5.8
35°	137.6	116.5	82.6	6.7	4.1	5.0	5.6	5.8
37.5°	123.4	100.4	63.9	3.4	4.1	5.0	5.6	6.0
40°	107.7	80.8	29.5	3.0	4.1	5.0	5.6	6.0
42.5°	82.1	37.4	3.6	3.0	3.9	5.0	5.8	6.0
45°	29.9	3.9	1.9	2.8	3.9	5.0	5.8	6.2
47.5°	2.2	1.5	1.7	2.8	3.9	5.0	5.8	6.2
50°	1.5	1.5	1.7	2.8	3.9	5.0	5.8	6.2
52.5°	1.5	1.7	1.7	2.6	3.7	5.0	5.8	6.2
55°	1.5	1.7	1.7	2.6	3.7	4.9	5.8	6.2
57.5°	1.5	1.5	1.7	2.4	3.6	4.7	5.8	6.0
60°	1.5	1.5	1.7	2.2	3.4	4.5	5.4	5.8
62.5°	1.5	1.5	1.5	2.1	3.2	4.3	5.2	5.6
65°	1.3	1.3	1.5	1.9	2.8	3.9	4.9	5.2
67.5°	1.1	1.3	1.3	1.7	2.6	3.6	4.5	4.9
70°	1.1	1.1	1.1	1.5	2.2	3.2	4.1	4.3
72.5°	0.9	0.9	1.1	1.3	2.1	2.8	3.7	3.9
75°	0.7	0.9	0.9	1.1	1.7	2.4	3.2	3.4
77.5°	0.7	0.7	0.7	0.9	1.5	2.1	2.6	2.8
80°	0.6	0.6	0.6	0.7	1.1	1.7	2.1	2.2
82.5°	0.4	0.6	0.6	0.6	0.9	1.1	1.5	1.7
85°	0.4	0.4	0.4	0.4	0.6	0.7	0.9	1.1
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)