

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: P1316155

Luminaire Tested: LDSQA3D02R559740DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R559740DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

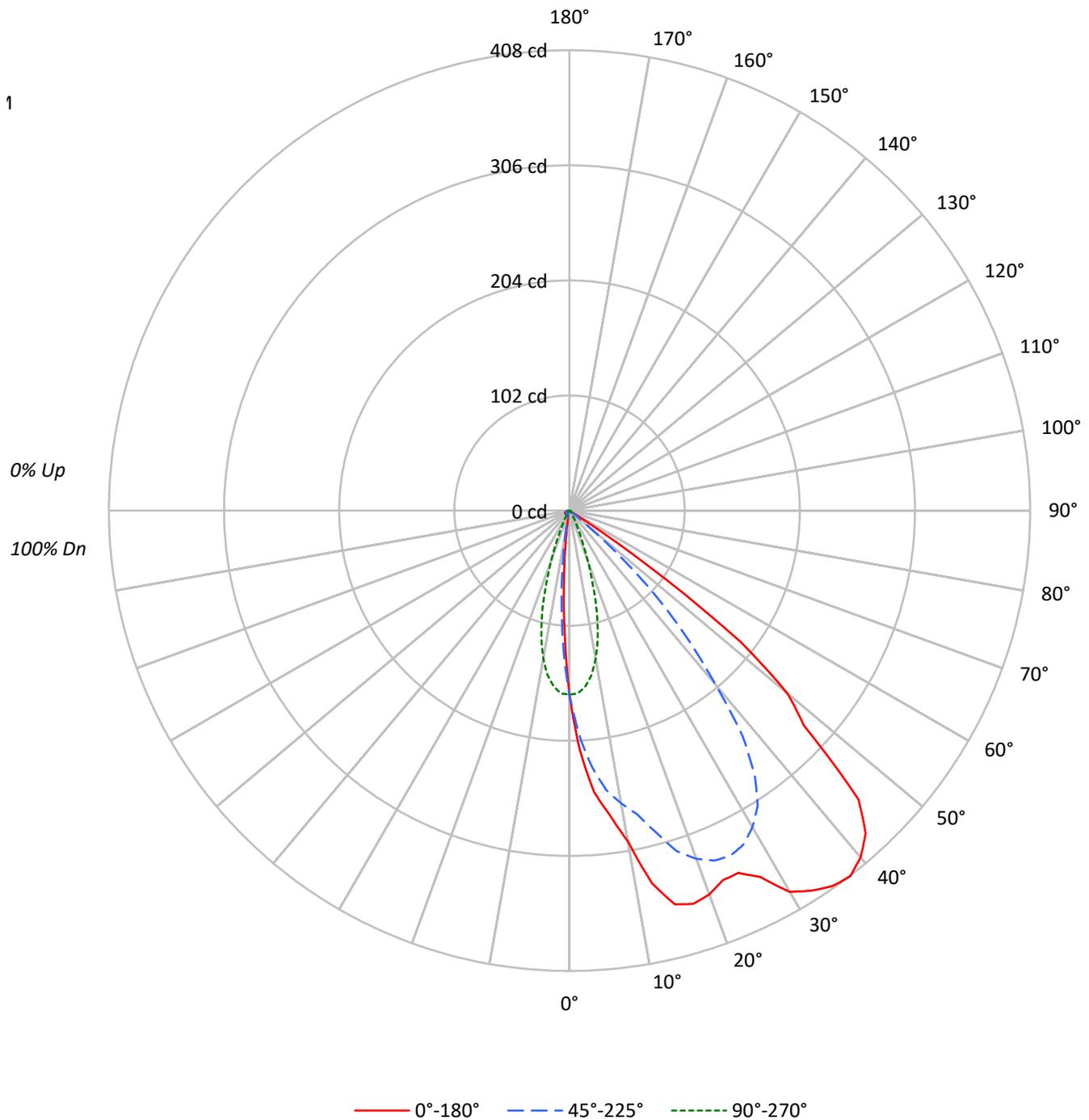
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 272.0 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
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	110	107	104	102	103	100	98	99	97	95	95	94	93	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	88	86	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	63	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	28072	28072	28072	28072	28072
5°	43289	39417	27125	13934	9145
10°	52027	46063	23346	3515	1399
15°	64419	52616	16689	963	767
20°	66346	60188	8614	641	641
25°	67307	64115	3458	589	665
30°	77577	64413	1511	616	696
35°	85402	60067	652	652	799
40°	90198	45211	382	742	854
45°	88217	27620	341	804	1047
50°	67492	5894	375	938	1206
55°	24772	210	420	1051	1351
60°	241	241	482	1206	1550
65°	285	285	571	1263	1630
70°	252	352	604	1410	1913
75°	133	333	599	1597	2196
80°	198	496	694	1686	2380
85°	0	395	988	1778	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 88217 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.4	5.3
10°-20°	41.1	15.1
20°-30°	63.0	23.2
30°-40°	73.5	27.0
40°-50°	58.7	21.6
50°-60°	17.4	6.4
60°-70°	1.9	0.7
70°-80°	1.5	0.5
80°-90°	0.6	0.2
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°	118.5	43.6
0°-40°	192.0	70.6
0°-60°	268.1	98.5
0°-90°	272.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	272.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	163	163	163	163	163	
5°	250	228	157	81	53	25
15°	361	295	94	5	4	100
25°	354	337	18	3	4	168
35°	406	286	3	3	4	253
45°	362	113	1	3	4	261
55°	82	1	1	4	4	87
65°	1	1	1	3	4	1
75°	0	0	1	2	3	0
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°	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0
2.5°	212.6	212.6	211.9	212.2	211.7	209.1	208.6	205.3	202.5	199.4	196.8
5°	250.4	250.9	250.2	248.8	246.9	245.0	241.0	237.9	233.9	228.0	222.6
7.5°	271.9	271.5	270.3	269.8	268.6	266.5	263.7	260.4	255.6	249.7	243.4
10°	297.5	293.4	292.3	290.4	286.6	282.3	277.4	272.9	268.9	263.4	256.6
12.5°	338.6	337.9	333.1	329.6	324.4	315.0	306.4	296.5	284.7	275.3	266.3
15°	361.3	361.7	359.6	356.8	353.5	345.7	337.2	325.6	311.6	295.1	280.5
17.5°	365.3	366.0	364.8	363.6	362.7	358.2	353.0	344.7	332.0	316.6	294.9
20°	362.0	363.4	363.6	365.0	366.9	365.0	360.8	355.1	344.5	328.4	307.6
22.5°	354.6	357.2	359.1	364.1	369.1	369.1	366.5	362.0	351.6	335.7	314.5
25°	354.2	354.6	355.4	363.4	371.2	372.8	370.5	365.7	354.4	337.4	314.2
27.5°	366.0	362.9	358.2	366.2	375.4	376.9	373.5	367.2	353.7	333.6	306.2
30°	390.1	383.2	373.3	379.2	385.6	383.9	377.3	367.2	349.0	323.9	291.1
32.5°	399.3	395.5	392.0	398.4	399.5	392.7	380.9	365.7	341.4	310.2	266.3
35°	406.2	406.4	405.0	406.2	400.5	390.8	377.8	358.0	327.2	285.7	233.4
37.5°	408.5	409.0	405.9	401.7	393.2	382.1	366.5	343.8	303.6	251.9	183.8
40°	401.2	399.8	394.8	388.9	379.7	368.3	351.3	317.5	268.4	201.1	143.4
42.5°	388.2	385.8	379.9	372.8	363.1	348.7	321.6	280.7	218.1	156.9	100.4
45°	362.2	360.6	353.2	348.0	336.5	317.8	282.8	231.3	168.7	113.4	58.1
47.5°	281.4	281.6	287.3	289.9	285.9	271.0	229.9	175.8	123.1	67.6	19.6
50°	251.9	250.7	245.0	237.2	224.2	202.0	168.7	124.3	72.8	22.0	2.8
52.5°	191.1	191.1	188.3	184.3	170.6	149.1	114.1	68.8	25.5	3.8	0.7
55°	82.5	78.2	80.6	85.1	81.5	70.9	53.4	20.6	4.5	0.7	0.7
57.5°	1.2	2.8	4.3	6.9	9.2	11.1	5.9	2.1	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
67.5°	0.5	0.5	0.5	0.7	0.5	0.7	0.7	0.7	0.7	0.7	0.7
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
75°	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	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°	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0
2.5°	193.0	189.0	182.4	162.3	141.5	122.4	108.7	103.5
5°	216.4	209.1	198.0	156.9	115.5	80.6	60.7	52.9
7.5°	234.9	225.4	209.3	147.4	84.8	43.0	25.8	20.3
10°	247.1	236.7	215.7	133.5	56.2	20.1	9.7	8.0
12.5°	256.1	243.1	218.1	115.5	33.1	9.2	5.2	4.7
15°	262.7	246.0	215.2	93.6	18.2	5.4	4.3	4.3
17.5°	271.9	247.4	208.4	69.0	10.4	4.0	4.0	4.0
20°	279.0	247.4	195.4	47.0	6.4	3.5	3.5	3.5
22.5°	282.6	243.6	179.6	29.8	4.5	3.3	3.5	3.5
25°	279.0	234.4	159.2	18.2	3.5	3.1	3.3	3.5
27.5°	266.0	216.0	132.1	11.6	2.8	3.1	3.3	3.5
30°	244.3	189.3	101.4	7.6	2.6	3.1	3.3	3.5
32.5°	213.6	149.6	65.7	5.0	2.4	3.1	3.3	3.5
35°	166.8	105.8	39.7	3.1	2.4	3.1	3.5	3.8
37.5°	125.0	70.6	21.5	1.9	2.4	3.1	3.5	3.8
40°	86.7	41.1	9.2	1.7	2.4	3.3	3.8	3.8
42.5°	50.3	16.3	2.4	1.4	2.4	3.3	3.8	4.0
45°	18.4	3.3	0.7	1.4	2.6	3.3	3.8	4.3
47.5°	2.6	0.7	0.7	1.4	2.6	3.3	4.0	4.3
50°	0.7	0.7	0.7	1.4	2.6	3.5	4.3	4.5
52.5°	0.7	0.7	0.7	1.4	2.6	3.5	4.3	4.5
55°	0.7	0.7	0.7	1.4	2.6	3.5	4.3	4.5
57.5°	0.7	0.7	0.7	1.4	2.6	3.5	4.3	4.5
60°	0.7	0.7	0.7	1.4	2.4	3.5	4.3	4.5
62.5°	0.7	0.7	0.7	1.4	2.4	3.3	4.0	4.3
65°	0.7	0.7	0.7	1.4	2.1	3.1	4.0	4.0
67.5°	0.7	0.7	0.7	1.2	2.1	3.1	3.8	4.0
70°	0.7	0.7	0.7	1.2	1.9	2.8	3.5	3.8
72.5°	0.7	0.7	0.7	0.9	1.7	2.6	3.3	3.5
75°	0.5	0.7	0.7	0.9	1.7	2.4	3.1	3.3
77.5°	0.5	0.7	0.7	0.7	1.4	1.9	2.6	2.8
80°	0.5	0.5	0.7	0.7	1.2	1.7	2.1	2.4
82.5°	0.5	0.5	0.5	0.7	0.9	1.2	1.7	1.7
85°	0.5	0.5	0.5	0.5	0.7	0.9	1.2	1.2
87.5°	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)