

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: P1308808

Luminaire Tested: LDSQA3D02R559030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308808
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: LDSQA3D02R559030DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

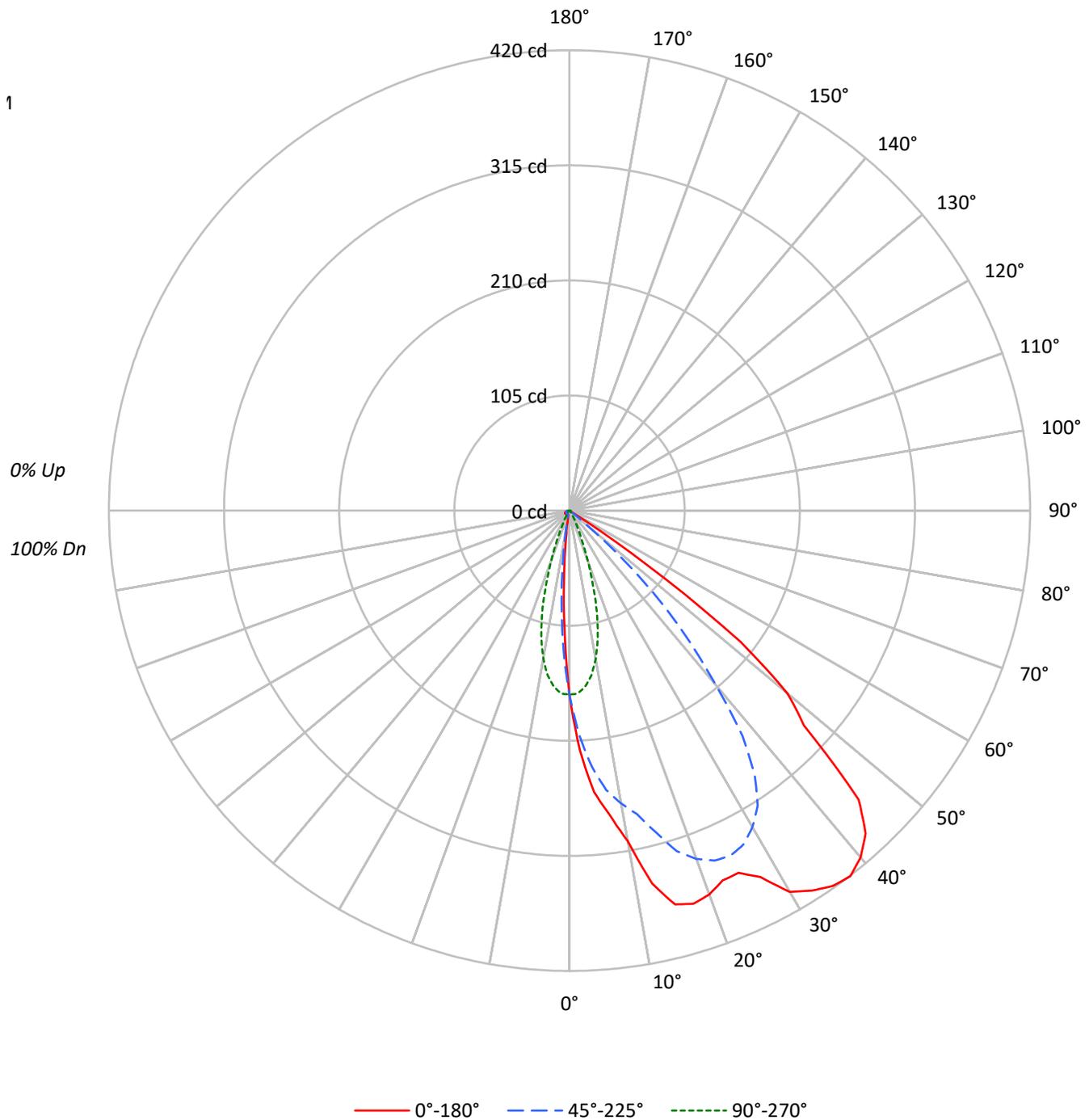
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 280.0 lumens
Efficiency: N/A
Efficacy: 77.8 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 (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	110	107	104	102	103	100	98	99	97	95	95	94	93	93	93	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	83	83	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	75	75	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	61	61	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	55	55	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	50	50	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	45	45	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	41	41	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	38	38	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	28899	28899	28899	28899	28899
5°	44569	40575	27920	14332	9422
10°	53548	47427	24028	3620	1451
15°	66309	54167	17170	998	785
20°	68288	61965	8871	660	660
25°	69284	65996	3553	608	684
30°	79864	66322	1551	636	716
35°	87903	61833	673	673	820
40°	92851	46538	382	764	877
45°	90823	28423	365	828	1072
50°	69474	6055	402	965	1232
55°	25492	210	450	1081	1381
60°	241	241	517	1240	1584
65°	285	285	611	1304	1671
70°	252	352	604	1460	1964
75°	133	333	665	1597	2262
80°	198	496	694	1686	2380
85°	0	395	988	1976	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 90823 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	5.3
10°-20°	42.3	15.1
20°-30°	64.9	23.2
30°-40°	75.6	27.0
40°-50°	60.4	21.6
50°-60°	17.9	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°	122.0	43.6
0°-40°	197.6	70.6
0°-60°	275.9	98.6
0°-90°	280.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	280.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	168	168	168	168	168	
5°	258	235	162	83	54	26
15°	372	304	96	6	4	103
25°	365	347	19	3	4	173
35°	418	294	3	3	4	260
45°	373	117	2	3	4	269
55°	85	1	2	4	5	90
65°	1	1	2	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°	167.8	167.8	167.8	167.8	167.8	167.8	167.8	167.8	167.8	167.8	167.8
2.5°	218.9	218.9	218.2	218.4	217.9	215.3	214.8	211.4	208.4	205.3	202.6
5°	257.8	258.3	257.6	256.1	254.2	252.2	248.1	244.9	240.8	234.7	229.1
7.5°	279.9	279.5	278.2	277.8	276.5	274.4	271.4	268.0	263.2	257.1	250.5
10°	306.2	302.1	300.9	298.9	295.0	290.6	285.5	280.9	276.8	271.2	264.1
12.5°	348.5	347.8	342.9	339.3	333.9	324.2	315.5	305.2	293.1	283.4	274.1
15°	371.9	372.4	370.2	367.3	363.9	355.8	347.1	335.2	320.8	303.8	288.7
17.5°	376.0	376.7	375.5	374.3	373.3	368.7	363.4	354.9	341.7	325.9	303.5
20°	372.6	374.1	374.3	375.8	377.7	375.8	371.4	365.6	354.6	338.1	316.7
22.5°	365.1	367.7	369.7	374.8	379.9	379.9	377.2	372.6	361.9	345.6	323.7
25°	364.6	365.1	365.8	374.1	382.1	383.8	381.4	376.5	364.8	347.3	323.5
27.5°	376.7	373.6	368.7	377.0	386.5	387.9	384.5	378.0	364.1	343.4	315.2
30°	401.6	394.5	384.3	390.4	396.9	395.2	388.4	378.0	359.2	333.5	299.6
32.5°	411.0	407.2	403.5	410.1	411.3	404.2	392.1	376.5	351.5	319.3	274.1
35°	418.1	418.3	416.9	418.1	412.3	402.3	388.9	368.5	336.9	294.1	240.3
37.5°	420.5	421.0	417.9	413.5	404.7	393.3	377.2	353.9	312.5	259.3	189.2
40°	413.0	411.5	406.4	400.3	390.9	379.2	361.7	326.9	276.3	207.0	147.6
42.5°	399.6	397.2	391.1	383.8	373.8	359.0	331.0	288.9	224.5	161.5	103.4
45°	372.9	371.2	363.6	358.3	346.3	327.1	291.1	238.1	173.7	116.7	59.8
47.5°	289.7	289.9	295.8	298.4	294.3	279.0	236.7	181.0	126.7	69.6	20.2
50°	259.3	258.1	252.2	244.2	230.8	208.0	173.7	127.9	74.9	22.6	2.9
52.5°	196.8	196.8	193.8	189.7	175.6	153.5	117.5	70.8	26.3	3.9	0.7
55°	84.9	80.5	82.9	87.6	83.9	73.0	55.0	21.2	4.6	0.7	0.7
57.5°	1.2	2.9	4.4	7.1	9.5	11.4	6.1	2.2	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°	167.8	167.8	167.8	167.8	167.8	167.8	167.8	167.8
2.5°	198.7	194.6	187.8	167.1	145.7	126.0	111.9	106.5
5°	222.8	215.3	203.8	161.5	118.9	82.9	62.5	54.5
7.5°	241.8	232.0	215.5	151.8	87.3	44.3	26.5	20.9
10°	254.4	243.7	222.1	137.4	57.9	20.7	10.0	8.3
12.5°	263.7	250.3	224.5	118.9	34.1	9.5	5.4	4.9
15°	270.5	253.2	221.6	96.3	18.7	5.6	4.4	4.4
17.5°	279.9	254.7	214.5	71.0	10.7	4.1	4.1	4.1
20°	287.2	254.7	201.1	48.4	6.6	3.6	3.6	3.6
22.5°	290.9	250.8	184.8	30.6	4.6	3.4	3.6	3.6
25°	287.2	241.3	163.9	18.7	3.6	3.2	3.4	3.6
27.5°	273.9	222.3	136.0	11.9	2.9	3.2	3.4	3.6
30°	251.5	194.8	104.3	7.8	2.7	3.2	3.4	3.6
32.5°	219.9	154.0	67.6	5.1	2.4	3.2	3.4	3.6
35°	171.7	109.0	40.9	3.2	2.4	3.2	3.6	3.9
37.5°	128.7	72.7	22.1	1.9	2.4	3.2	3.6	3.9
40°	89.3	42.3	9.5	1.7	2.4	3.4	3.9	3.9
42.5°	51.8	16.8	2.4	1.5	2.4	3.4	3.9	4.1
45°	19.0	3.4	0.7	1.5	2.7	3.4	3.9	4.4
47.5°	2.7	0.7	0.7	1.5	2.7	3.4	4.1	4.4
50°	0.7	0.7	0.7	1.5	2.7	3.6	4.4	4.6
52.5°	0.7	0.7	0.7	1.5	2.7	3.6	4.4	4.6
55°	0.7	0.7	0.7	1.5	2.7	3.6	4.4	4.6
57.5°	0.7	0.7	0.7	1.5	2.7	3.6	4.4	4.6
60°	0.7	0.7	0.7	1.5	2.4	3.6	4.4	4.6
62.5°	0.7	0.7	0.7	1.5	2.4	3.4	4.1	4.4
65°	0.7	0.7	0.7	1.5	2.2	3.2	4.1	4.1
67.5°	0.7	0.7	0.7	1.2	2.2	3.2	3.9	4.1
70°	0.7	0.7	0.7	1.2	1.9	2.9	3.6	3.9
72.5°	0.7	0.7	0.7	1.0	1.7	2.7	3.4	3.6
75°	0.5	0.7	0.7	1.0	1.7	2.4	3.2	3.4
77.5°	0.5	0.7	0.7	0.7	1.5	1.9	2.7	2.9
80°	0.5	0.5	0.7	0.7	1.2	1.7	2.2	2.4
82.5°	0.5	0.5	0.5	0.7	1.0	1.2	1.7	1.7
85°	0.5	0.5	0.5	0.5	0.7	1.0	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)