

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: P1317097

Luminaire Tested: LDSQA3D02R559827DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317097
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: LDSQA3D02R559827DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

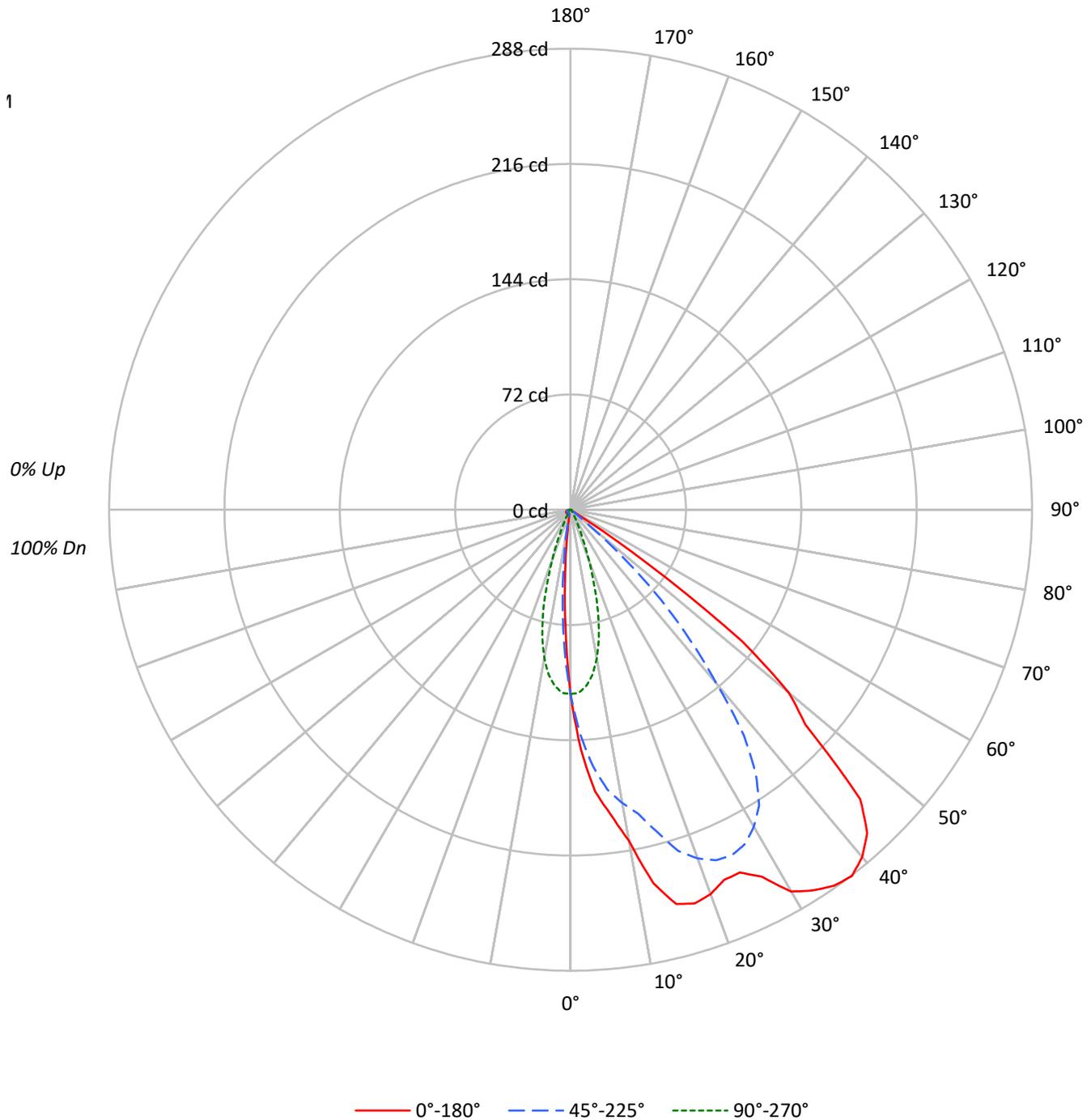
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 192.0 lumens
Efficiency: N/A
Efficacy: 53.3 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				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	100	100	100	100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91	91	91	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81	81	81	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73	73	73	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65	65	65	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59	59	59	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53	53	53	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48	48	48	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44	44	44	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40	40	40	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	19823	19823	19823	19823	19823
5°	30565	27816	19138	9837	6466
10°	36725	32528	16474	2483	997
15°	45466	37139	11768	678	535
20°	46827	42483	6085	458	458
25°	47507	45264	2432	418	475
30°	54768	45481	1054	438	497
35°	60277	42385	463	463	568
40°	63669	31902	270	517	607
45°	62278	19509	244	560	731
50°	47638	4153	268	670	857
55°	17475	150	300	751	961
60°	172	172	344	861	1102
65°	204	204	408	897	1141
70°	151	252	403	1007	1360
75°	133	200	466	1131	1530
80°	198	298	496	1190	1686
85°	0	395	593	1383	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 62278 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	5.3
10°-20°	29.0	15.1
20°-30°	44.5	23.2
30°-40°	51.9	27.0
40°-50°	41.4	21.6
50°-60°	12.3	6.4
60°-70°	1.3	0.7
70°-80°	1.0	0.5
80°-90°	0.4	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°	83.6	43.6
0°-40°	135.5	70.6
0°-60°	189.2	98.6
0°-90°	192.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	192.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	115	115	115	115	115	
5°	177	161	111	57	37	18
15°	255	208	66	4	3	70
25°	250	238	13	2	2	119
35°	287	202	2	2	3	179
45°	256	80	1	2	3	184
55°	58	0	1	2	3	62
65°	0	0	1	2	3	0
75°	0	0	1	2	2	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°	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1
2.5°	150.1	150.1	149.6	149.8	149.4	147.6	147.3	144.9	142.9	140.8	138.9
5°	176.8	177.1	176.6	175.6	174.3	173.0	170.1	167.9	165.1	160.9	157.1
7.5°	192.0	191.6	190.8	190.5	189.6	188.1	186.1	183.8	180.5	176.3	171.8
10°	210.0	207.1	206.3	205.0	202.3	199.3	195.8	192.6	189.8	186.0	181.1
12.5°	239.0	238.5	235.2	232.7	229.0	222.3	216.3	209.3	201.0	194.3	188.0
15°	255.0	255.3	253.8	251.8	249.5	244.0	238.0	229.8	220.0	208.3	198.0
17.5°	257.8	258.3	257.5	256.7	256.0	252.8	249.2	243.3	234.3	223.5	208.1
20°	255.5	256.5	256.7	257.7	259.0	257.7	254.7	250.7	243.2	231.8	217.1
22.5°	250.3	252.2	253.5	257.0	260.5	260.5	258.7	255.5	248.2	237.0	222.0
25°	250.0	250.3	250.8	256.5	262.0	263.2	261.5	258.2	250.2	238.2	221.8
27.5°	258.3	256.2	252.8	258.5	265.0	266.0	263.7	259.2	249.7	235.5	216.1
30°	275.4	270.5	263.5	267.7	272.2	271.0	266.3	259.2	246.3	228.7	205.5
32.5°	281.9	279.2	276.7	281.2	282.0	277.2	268.8	258.2	241.0	219.0	188.0
35°	286.7	286.9	285.9	286.7	282.7	275.9	266.7	252.7	231.0	201.6	164.8
37.5°	288.4	288.7	286.5	283.5	277.5	269.7	258.7	242.7	214.3	177.8	129.8
40°	283.2	282.2	278.7	274.5	268.0	260.0	248.0	224.2	189.5	141.9	101.2
42.5°	274.0	272.4	268.2	263.2	256.3	246.2	227.0	198.1	153.9	110.7	70.9
45°	255.7	254.5	249.3	245.7	237.5	224.3	199.6	163.3	119.1	80.1	41.0
47.5°	198.6	198.8	202.8	204.6	201.8	191.3	162.3	124.1	86.9	47.7	13.8
50°	177.8	177.0	173.0	167.4	158.3	142.6	119.1	87.7	51.4	15.5	2.0
52.5°	134.9	134.9	132.9	130.1	120.4	105.2	80.6	48.5	18.0	2.7	0.5
55°	58.2	55.2	56.9	60.0	57.5	50.0	37.7	14.5	3.2	0.5	0.5
57.5°	0.8	2.0	3.0	4.8	6.5	7.8	4.2	1.5	0.5	0.5	0.5
60°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
67.5°	0.3	0.3	0.3	0.5	0.3	0.5	0.5	0.5	0.5	0.5	0.5
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75°	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
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°	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1
2.5°	136.3	133.4	128.8	114.6	99.9	86.4	76.7	73.0
5°	152.8	147.6	139.8	110.7	81.6	56.9	42.9	37.4
7.5°	165.8	159.1	147.8	104.1	59.9	30.4	18.2	14.3
10°	174.5	167.1	152.3	94.2	39.7	14.2	6.8	5.7
12.5°	180.8	171.6	153.9	81.6	23.3	6.5	3.7	3.3
15°	185.5	173.6	151.9	66.0	12.8	3.8	3.0	3.0
17.5°	192.0	174.6	147.1	48.7	7.3	2.8	2.8	2.8
20°	197.0	174.6	137.9	33.2	4.5	2.5	2.5	2.5
22.5°	199.5	172.0	126.8	21.0	3.2	2.3	2.5	2.5
25°	197.0	165.4	112.4	12.8	2.5	2.2	2.3	2.5
27.5°	187.8	152.4	93.2	8.2	2.0	2.2	2.3	2.5
30°	172.5	133.6	71.5	5.3	1.8	2.2	2.3	2.5
32.5°	150.8	105.6	46.4	3.5	1.7	2.2	2.3	2.5
35°	117.7	74.7	28.0	2.2	1.7	2.2	2.5	2.7
37.5°	88.2	49.9	15.2	1.3	1.7	2.2	2.5	2.7
40°	61.2	29.0	6.5	1.2	1.7	2.3	2.7	2.7
42.5°	35.5	11.5	1.7	1.0	1.7	2.3	2.7	2.8
45°	13.0	2.3	0.5	1.0	1.8	2.3	2.7	3.0
47.5°	1.8	0.5	0.5	1.0	1.8	2.3	2.8	3.0
50°	0.5	0.5	0.5	1.0	1.8	2.5	3.0	3.2
52.5°	0.5	0.5	0.5	1.0	1.8	2.5	3.0	3.2
55°	0.5	0.5	0.5	1.0	1.8	2.5	3.0	3.2
57.5°	0.5	0.5	0.5	1.0	1.8	2.5	3.0	3.2
60°	0.5	0.5	0.5	1.0	1.7	2.5	3.0	3.2
62.5°	0.5	0.5	0.5	1.0	1.7	2.3	2.8	3.0
65°	0.5	0.5	0.5	1.0	1.5	2.2	2.8	2.8
67.5°	0.5	0.5	0.5	0.8	1.5	2.2	2.7	2.8
70°	0.5	0.5	0.5	0.8	1.3	2.0	2.5	2.7
72.5°	0.5	0.5	0.5	0.7	1.2	1.8	2.3	2.5
75°	0.3	0.5	0.5	0.7	1.2	1.7	2.2	2.3
77.5°	0.3	0.5	0.5	0.5	1.0	1.3	1.8	2.0
80°	0.3	0.3	0.5	0.5	0.8	1.2	1.5	1.7
82.5°	0.3	0.3	0.3	0.5	0.7	0.8	1.2	1.2
85°	0.3	0.3	0.3	0.3	0.5	0.7	0.8	0.8
87.5°	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)