

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: P1319723

Luminaire Tested: LDSQA3D02R559840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319723
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R559840DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

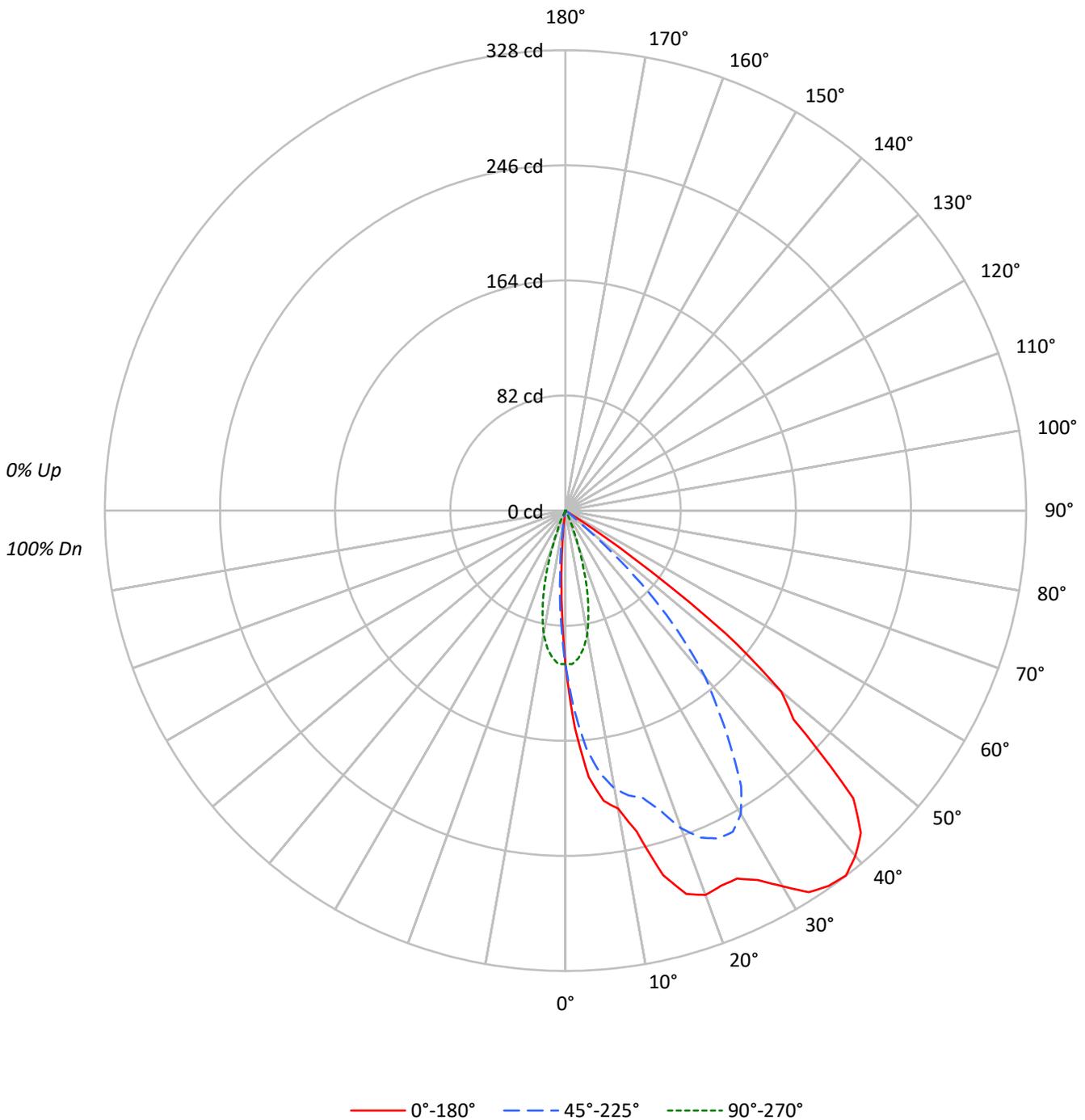
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 202.0 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
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	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	88	86	84	82
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	81	78	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	75	71	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	64	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	56	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	38	60	49	43	38	49	42	38	48	42	38	47	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	18807	18807	18807	18807	18807
5°	32951	29372	18239	7589	4357
10°	37704	35151	15599	822	297
15°	47927	37746	10698	160	107
20°	53406	44151	4692	0	0
25°	54975	48989	1330	0	0
30°	61430	49637	179	0	0
35°	68645	43100	0	0	0
40°	72212	34690	0	0	0
45°	70608	21920	0	0	0
50°	53747	4474	0	0	0
55°	17625	0	0	0	0
60°	0	0	0	0	0
65°	0	82	82	0	0
70°	0	101	101	0	0
75°	0	133	133	0	0
80°	0	198	397	198	0
85°	0	395	395	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 70608 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.0	4.9
10°-20°	29.2	14.5
20°-30°	47.5	23.5
30°-40°	56.5	28.0
40°-50°	46.2	22.9
50°-60°	12.2	6.1
60°-70°	0.1	0.0
70°-80°	0.1	0.1
80°-90°	0.2	0.1
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°	86.7	42.9
0°-40°	143.2	70.9
0°-60°	201.7	99.8
0°-90°	202.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	202.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	109	109	109	109	109	
5°	191	170	106	44	25	19
15°	269	212	60	1	1	75
25°	289	258	7	0	0	136
35°	326	205	0	0	0	203
45°	290	90	0	0	0	208
55°	59	0	0	0	0	66
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2
2.5°	154.9	153.8	154.0	153.4	154.0	151.5	148.8	146.4	144.5	141.8	125.7
5°	190.6	188.7	188.1	187.4	186.6	183.6	181.1	178.1	174.5	169.9	140.3
7.5°	208.6	207.1	206.3	206.7	205.0	203.9	200.6	197.2	193.4	188.5	151.3
10°	215.6	214.1	213.9	213.7	213.6	212.8	211.3	208.2	204.8	201.0	157.6
12.5°	234.1	230.6	228.4	225.7	222.5	218.3	214.9	212.2	210.9	207.9	160.4
15°	268.8	265.6	263.1	259.7	253.6	244.7	236.5	226.1	217.0	211.7	159.3
17.5°	286.3	284.7	282.7	280.4	276.2	269.7	261.4	250.4	238.8	223.8	153.8
20°	291.4	290.6	289.1	288.2	285.3	280.8	275.1	266.5	255.7	240.9	145.2
22.5°	289.3	289.9	290.6	293.1	293.5	290.2	284.9	276.8	265.8	252.1	132.1
25°	289.3	288.9	288.9	294.0	297.3	295.8	292.0	284.6	273.4	257.8	116.0
27.5°	296.7	294.4	289.7	295.0	300.3	299.7	296.3	287.6	275.1	258.0	96.2
30°	308.9	303.9	296.1	301.1	306.0	303.9	298.4	287.2	271.3	249.6	72.1
32.5°	322.3	320.1	316.1	319.3	318.5	310.2	300.3	284.7	263.5	232.9	48.6
35°	326.5	326.9	324.2	323.7	319.3	310.8	300.3	277.7	247.2	205.0	28.9
37.5°	327.8	328.0	323.8	318.5	312.1	302.0	289.5	263.3	217.0	178.1	15.4
40°	321.2	321.0	314.2	307.7	300.5	290.6	272.4	232.9	188.3	154.3	5.5
42.5°	311.3	308.9	302.4	294.4	285.7	273.4	244.9	196.7	163.6	123.6	0.4
45°	289.9	287.6	282.5	273.9	264.2	246.8	201.8	168.9	133.1	90.0	0.0
47.5°	220.4	219.3	224.6	225.7	225.5	205.6	168.4	137.8	97.8	52.4	0.0
50°	200.6	199.1	193.8	187.0	174.8	158.1	135.0	102.1	57.3	16.7	0.0
52.5°	144.1	149.0	150.2	145.0	133.6	117.1	93.0	58.8	19.9	0.0	0.0
55°	58.7	55.6	57.9	60.7	63.0	57.9	42.9	20.9	0.2	0.0	0.0
57.5°	0.0	0.2	1.1	2.7	4.4	5.5	5.9	0.4	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):

	90°	112.5°	135°	157.5°	180°
0°	109.2	109.2	109.2	109.2	109.2
2.5°	109.5	92.6	76.3	67.4	63.0
5°	105.5	70.8	43.9	30.4	25.2
7.5°	98.9	48.6	17.5	7.2	5.1
10°	89.2	27.9	4.7	1.9	1.7
12.5°	75.4	12.7	1.7	1.3	1.3
15°	60.0	4.4	0.9	0.8	0.6
17.5°	42.1	1.1	0.4	0.0	0.0
20°	25.6	0.2	0.0	0.0	0.0
22.5°	14.2	0.0	0.0	0.0	0.0
25°	7.0	0.0	0.0	0.0	0.0
27.5°	3.0	0.0	0.0	0.0	0.0
30°	0.9	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.2	0.0	0.0	0.0	0.0
65°	0.2	0.2	0.0	0.0	0.0
67.5°	0.2	0.2	0.0	0.0	0.0
70°	0.2	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.0	0.0	0.0
77.5°	0.4	0.2	0.2	0.0	0.0
80°	0.4	0.2	0.2	0.0	0.0
82.5°	0.4	0.2	0.2	0.0	0.0
85°	0.2	0.2	0.2	0.0	0.0
87.5°	0.4	0.2	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)