

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: P1312726

Luminaire Tested: LDSQA3D17R359050DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312726
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R359050DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

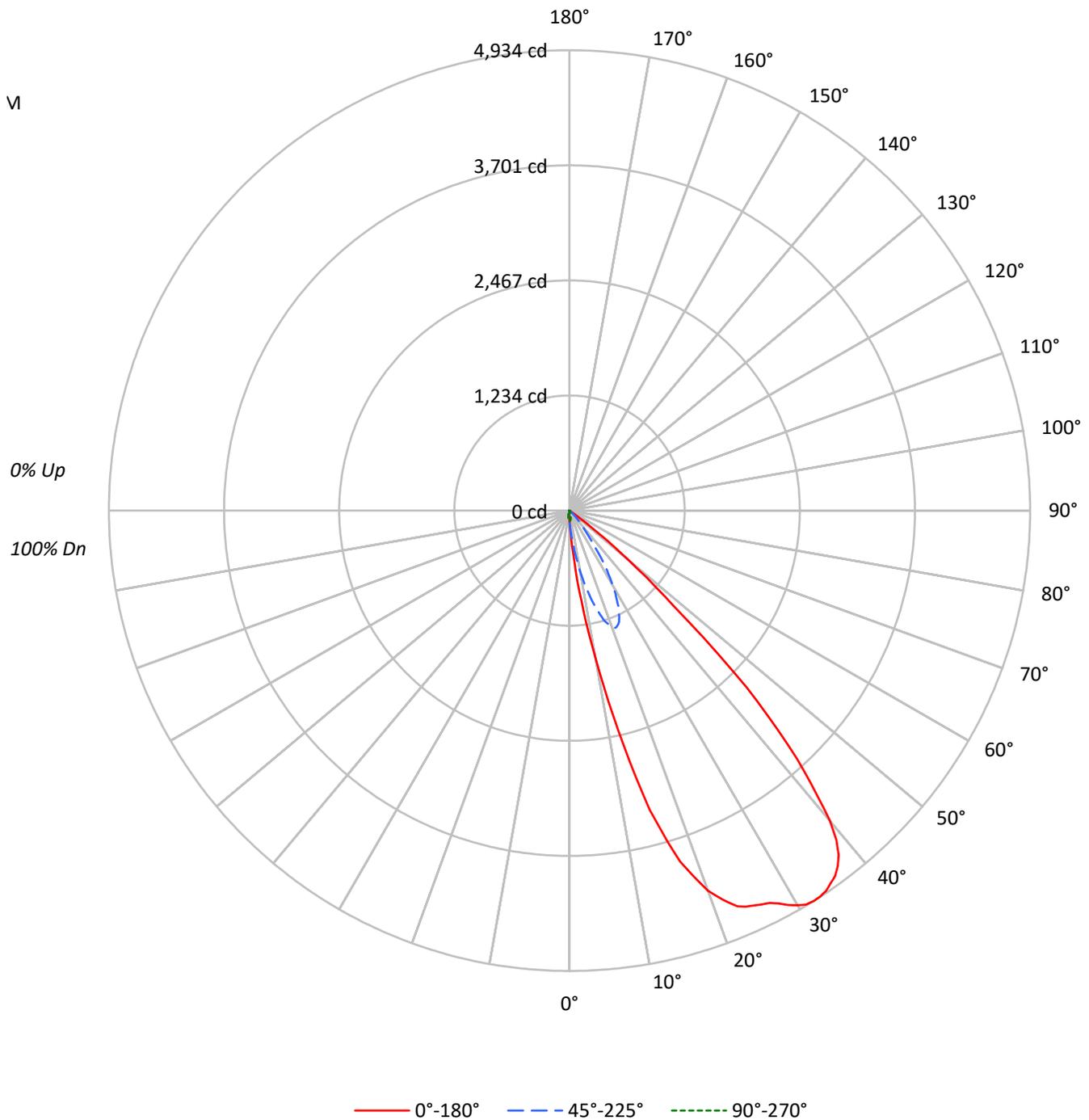
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1474.0 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	55	50	46	45
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	19134	19134	19134	19134	19134
5°	83138	51536	17755	6327	4374
10°	279842	116312	13273	1469	490
15°	592199	190797	8273	0	0
20°	794041	243811	3867	0	0
25°	887424	239434	798	0	0
30°	971478	183453	0	0	0
35°	1025302	99929	0	0	0
40°	974665	44897	0	0	0
45°	654152	19874	0	0	0
50°	218524	1876	0	0	0
55°	11830	0	0	0	0
60°	0	0	482	0	0
65°	0	0	1141	0	0
70°	0	705	1410	0	0
75°	0	932	1863	0	0
80°	0	1389	2777	0	0
85°	0	2766	5533	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 654152 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.9	1.6
10°-20°	204.5	13.9
20°-30°	448.7	30.4
30°-40°	519.0	35.2
40°-50°	256.2	17.4
50°-60°	19.0	1.3
60°-70°	0.7	0.0
70°-80°	1.1	0.1
80°-90°	1.0	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°	677.1	45.9
0°-40°	1196.1	81.2
0°-60°	1471.3	99.8
0°-90°	1474.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1474.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	111	111	111	111	111	
5°	481	298	103	37	25	83
15°	3321	1070	46	0	0	937
25°	4670	1260	4	0	0	2159
35°	4877	475	0	0	0	3011
45°	2686	82	0	0	0	1971
55°	39	0	0	0	0	161
65°	0	0	3	0	0	0
75°	0	1	3	0	0	0
85°	0	1	3	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1
2.5°	220.8	226.4	223.6	223.6	222.2	215.1	202.5	198.3	182.8	144.8	112.5
5°	480.9	482.3	478.1	457.0	438.7	421.9	385.3	368.4	298.1	177.2	102.7
7.5°	975.9	954.8	928.1	898.6	833.9	774.8	697.5	615.9	461.2	205.3	91.4
10°	1600.2	1570.7	1548.2	1477.9	1361.2	1240.3	1092.6	959.0	665.1	225.0	75.9
12.5°	2406.0	2389.1	2309.0	2168.4	1995.4	1821.0	1563.7	1351.4	870.4	229.2	61.9
15°	3321.4	3293.3	3171.0	2971.3	2736.5	2462.2	2117.7	1760.6	1070.1	216.6	46.4
17.5°	3947.2	3931.7	3826.3	3616.7	3346.7	2998.0	2590.2	2144.4	1234.6	189.8	32.3
20°	4332.5	4310.0	4211.6	4034.4	3751.7	3387.5	2903.8	2389.1	1330.3	156.1	21.1
21°	4432.3	4409.8	4331.1	4146.9	3876.9	3486.0	2989.6	2448.2	1348.5	140.6	16.9
22°	4526.5	4504.0	4421.1	4258.0	3990.8	3583.0	3057.1	2493.2	1345.7	128.0	12.7
23°	4605.3	4581.4	4499.8	4349.4	4080.8	3668.8	3107.7	2515.7	1327.4	115.3	9.8
24°	4646.1	4632.0	4558.9	4416.9	4153.9	3729.2	3142.8	2524.1	1304.9	102.7	7.0
25°	4670.0	4653.1	4581.4	4450.6	4201.7	3777.0	3165.3	2517.1	1260.0	91.4	4.2
26°	4695.3	4670.0	4588.4	4461.9	4227.0	3799.5	3166.8	2498.8	1212.1	81.6	1.4
27°	4717.8	4693.9	4609.5	4470.3	4231.2	3792.5	3155.5	2463.7	1154.5	71.7	1.4
28°	4767.0	4740.3	4643.3	4488.6	4235.5	3774.2	3120.3	2415.8	1078.6	63.3	0.0
29°	4831.7	4803.6	4692.5	4532.2	4245.3	3754.5	3072.5	2352.6	1012.5	56.2	0.0
30°	4885.1	4859.8	4757.2	4587.0	4270.6	3736.3	3016.3	2266.8	922.5	47.8	0.0
31°	4924.5	4899.2	4805.0	4633.4	4293.1	3719.4	2946.0	2178.2	840.9	42.2	0.0
32°	4934.3	4913.2	4824.7	4653.1	4293.1	3694.1	2881.3	2078.4	760.8	35.2	0.0
33°	4930.1	4909.0	4819.0	4639.0	4255.1	3633.6	2802.5	1958.8	669.3	30.9	0.0
34°	4914.7	4889.3	4793.7	4594.0	4180.6	3531.0	2688.6	1839.3	573.7	25.3	0.0
35°	4876.7	4854.2	4750.1	4509.7	4065.3	3374.9	2536.8	1701.5	475.3	21.1	0.0
36°	4840.1	4806.4	4678.4	4405.6	3913.4	3214.6	2355.4	1542.6	390.9	16.9	0.0
37°	4772.6	4724.8	4595.4	4255.1	3698.3	2988.2	2148.7	1368.2	327.6	12.7	0.0
38°	4682.6	4617.9	4453.4	4080.8	3481.7	2775.8	1954.6	1210.7	275.6	8.4	0.0
39°	4543.4	4467.5	4243.9	3841.7	3231.4	2529.7	1732.4	1043.4	234.8	5.6	0.0
40°	4335.3	4263.6	4016.1	3557.7	2982.5	2258.3	1504.6	855.0	199.7	2.8	0.0
42.5°	3609.7	3511.3	3224.4	2768.8	2204.9	1624.2	995.6	475.3	132.2	0.0	0.0
45°	2685.8	2598.6	2317.4	1902.6	1469.5	994.2	532.9	279.8	81.6	0.0	0.0
47.5°	1517.3	1507.4	1324.6	1092.6	819.8	528.7	270.0	168.7	35.2	0.0	0.0
50°	815.6	765.0	659.5	500.6	341.7	230.6	146.2	92.8	7.0	0.0	0.0
52.5°	298.1	288.3	241.9	201.1	154.7	105.5	74.5	40.8	0.0	0.0	0.0
55°	39.4	36.6	38.0	40.8	42.2	36.6	23.9	8.4	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.4	2.8	2.8	2.8	0.0	0.0	0.0	1.4
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8
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):

	112.5°	135°	157.5°	180°
0°	111.1	111.1	111.1	111.1
2.5°	85.8	66.1	56.2	54.8
5°	59.1	36.6	26.7	25.3
7.5°	40.8	18.3	12.7	11.2
10°	23.9	8.4	4.2	2.8
12.5°	14.1	1.4	0.0	0.0
15°	4.2	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	1.4	0.0	0.0	0.0
67.5°	1.4	0.0	0.0	0.0
70°	1.4	0.0	0.0	0.0
72.5°	1.4	0.0	0.0	0.0
75°	1.4	0.0	0.0	0.0
77.5°	1.4	0.0	0.0	0.0
80°	1.4	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.4	0.0	0.0	0.0
85°	1.4	0.0	0.0	0.0
87.5°	1.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)