

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: P1320410

Luminaire Tested: LDSQA3D20R359840D010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320410
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: LDSQA3D20R359840D010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

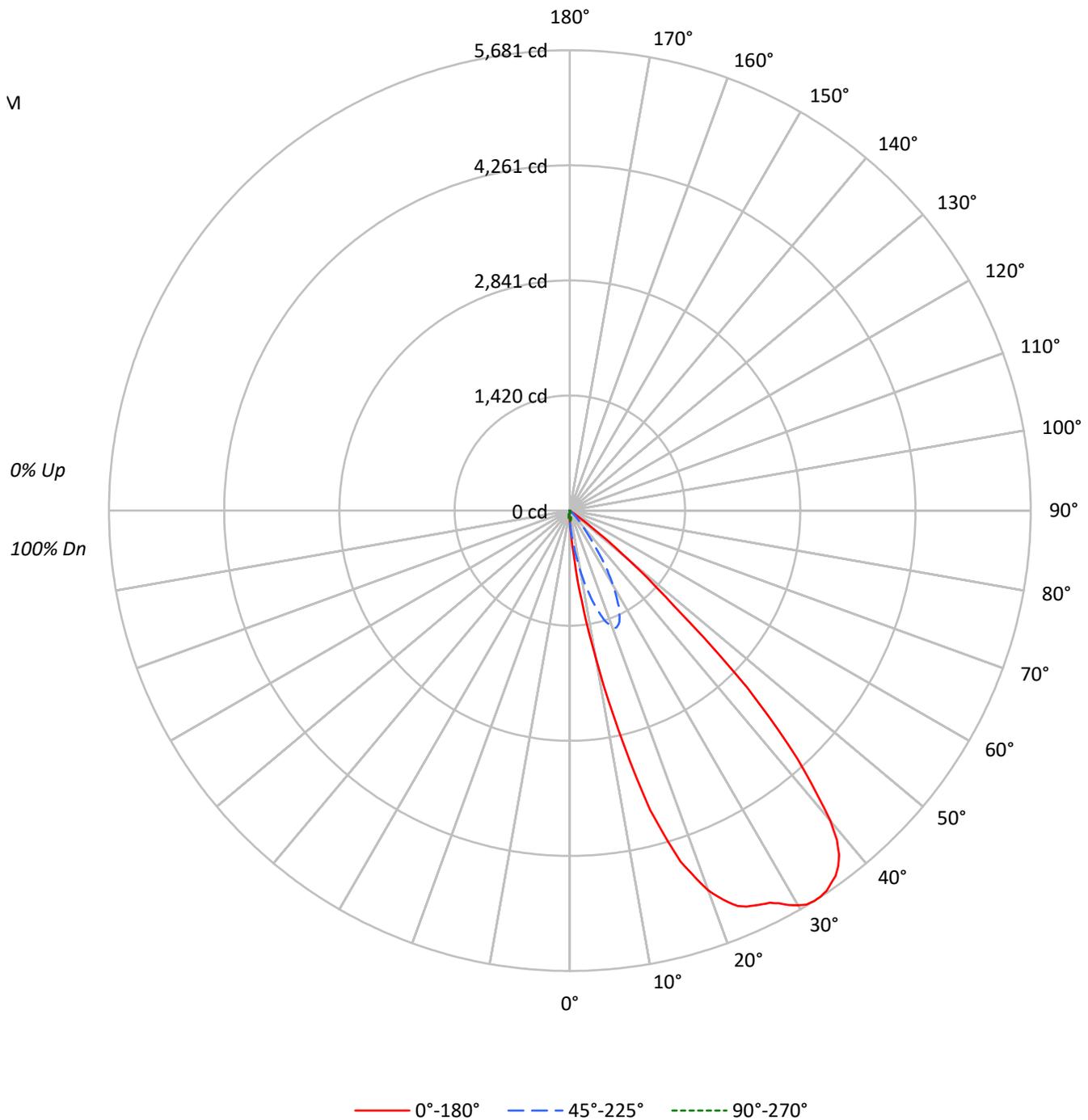
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1697.0 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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

TEST NUMBER: P1320410
CATALOG NUMBER: LDSQA3D20R359840D010 3LSQCA30R 1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1320410

CATALOG NUMBER: LDSQA3D20R359840D010 3LSQCA30R 1MMS

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	55	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°	22027	22027	22027	22027	22027
5°	95724	59333	20434	7278	5031
10°	322180	133923	15284	1696	560
15°	681794	219663	9521	0	0
20°	914160	280686	4454	0	0
25°	1021678	275653	931	0	0
30°	1118460	211195	0	0	0
35°	1180421	115046	0	0	0
40°	1122125	51686	0	0	0
45°	753135	22870	0	0	0
50°	251587	2170	0	0	0
55°	13602	0	0	0	0
60°	0	0	551	0	0
65°	0	0	1304	0	0
70°	0	806	1611	0	0
75°	0	1065	2129	0	0
80°	0	1587	3174	0	0
85°	0	3162	6323	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 753135 cd/sqm



TEST NUMBER: P1320410

CATALOG NUMBER: LDSQA3D20R359840D010 3LSQCA30R 1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	1.6
10°-20°	235.5	13.9
20°-30°	516.6	30.4
30°-40°	597.6	35.2
40°-50°	295.0	17.4
50°-60°	21.8	1.3
60°-70°	0.7	0.0
70°-80°	1.2	0.1
80°-90°	1.1	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°	779.6	45.9
0°-40°	1377.1	81.2
0°-60°	1693.9	99.8
0°-90°	1697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1697.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	128	128	128	128	128	
5°	554	343	118	42	29	95
15°	3824	1232	53	0	0	1079
25°	5376	1451	5	0	0	2486
35°	5614	547	0	0	0	3467
45°	3092	94	0	0	0	2270
55°	45	0	0	0	0	185
65°	0	0	3	0	0	0
75°	0	2	3	0	0	0
85°	0	2	3	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1320410

CATALOG NUMBER: LDSQA3D20R359840D010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	127.9	127.9	127.9	127.9	127.9	127.9	127.9	127.9	127.9	127.9	127.9
2.5°	254.2	260.6	257.4	257.4	255.8	247.7	233.1	228.3	210.5	166.8	129.5
5°	553.7	555.3	550.4	526.2	505.1	485.7	443.6	424.2	343.2	204.0	118.2
7.5°	1123.5	1099.3	1068.5	1034.5	960.0	892.0	803.0	709.1	531.0	236.4	105.2
10°	1842.3	1808.4	1782.4	1701.5	1567.1	1427.9	1257.9	1104.1	765.8	259.0	87.4
12.5°	2770.0	2750.6	2658.3	2496.4	2297.3	2096.5	1800.3	1555.8	1002.1	263.9	71.2
15°	3823.9	3791.5	3650.7	3420.8	3150.5	2834.8	2438.1	2026.9	1232.0	249.3	53.4
17.5°	4544.4	4526.5	4405.1	4163.9	3853.1	3451.6	2982.1	2468.9	1421.4	218.6	37.2
20°	4987.9	4962.0	4848.7	4644.7	4319.3	3900.0	3343.1	2750.6	1531.5	179.7	24.3
21°	5102.9	5077.0	4986.3	4774.2	4463.4	4013.3	3441.9	2818.6	1552.6	161.9	19.4
22°	5211.4	5185.5	5089.9	4902.1	4594.5	4125.1	3519.6	2870.4	1549.3	147.3	14.6
23°	5302.0	5274.5	5180.6	5007.4	4698.2	4223.8	3577.9	2896.3	1528.3	132.8	11.3
24°	5349.0	5332.8	5248.6	5085.1	4782.3	4293.4	3618.3	2906.0	1502.4	118.2	8.1
25°	5376.5	5357.1	5274.5	5123.9	4837.4	4348.5	3644.2	2897.9	1450.6	105.2	4.9
26°	5405.6	5376.5	5282.6	5136.9	4866.5	4374.4	3645.8	2876.9	1395.5	93.9	1.6
27°	5431.5	5404.0	5306.9	5146.6	4871.4	4366.3	3632.9	2836.4	1329.1	82.6	1.6
28°	5488.2	5457.4	5345.7	5167.6	4876.2	4345.2	3592.4	2781.3	1241.7	72.9	0.0
29°	5562.7	5530.3	5402.4	5217.8	4887.6	4322.6	3537.4	2708.5	1165.6	64.8	0.0
30°	5624.2	5595.0	5476.9	5281.0	4916.7	4301.5	3472.6	2609.7	1062.0	55.0	0.0
31°	5669.5	5640.4	5531.9	5334.4	4942.6	4282.1	3391.7	2507.7	968.1	48.6	0.0
32°	5680.8	5656.6	5554.6	5357.1	4942.6	4252.9	3317.2	2392.8	875.8	40.5	0.0
33°	5676.0	5651.7	5548.1	5340.9	4898.9	4183.3	3226.5	2255.2	770.6	35.6	0.0
34°	5658.2	5629.0	5519.0	5289.1	4813.1	4065.2	3095.4	2117.6	660.5	29.1	0.0
35°	5614.5	5588.6	5468.8	5191.9	4680.3	3885.4	2920.6	1958.9	547.2	24.3	0.0
36°	5572.4	5533.5	5386.2	5072.1	4505.5	3700.9	2711.7	1776.0	450.1	19.4	0.0
37°	5494.7	5439.6	5290.7	4898.9	4257.8	3440.2	2473.7	1575.2	377.2	14.6	0.0
38°	5391.1	5316.6	5127.2	4698.2	4008.5	3195.8	2250.3	1393.9	317.3	9.7	0.0
39°	5230.8	5143.4	4886.0	4422.9	3720.3	2912.5	1994.5	1201.3	270.4	6.5	0.0
40°	4991.2	4908.6	4623.7	4095.9	3433.8	2600.0	1732.3	984.3	229.9	3.2	0.0
42.5°	4155.8	4042.5	3712.2	3187.7	2538.5	1869.9	1146.2	547.2	152.2	0.0	0.0
45°	3092.2	2991.8	2668.0	2190.4	1691.8	1144.6	613.6	322.2	93.9	0.0	0.0
47.5°	1746.8	1735.5	1525.0	1257.9	943.8	608.7	310.8	194.3	40.5	0.0	0.0
50°	939.0	880.7	759.3	576.3	393.4	265.5	168.4	106.8	8.1	0.0	0.0
52.5°	343.2	331.9	278.5	231.5	178.1	121.4	85.8	46.9	0.0	0.0	0.0
55°	45.3	42.1	43.7	46.9	48.6	42.1	27.5	9.7	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.6	3.2	3.2	3.2	0.0	0.0	0.0	1.6
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2



TEST NUMBER: P1320410

CATALOG NUMBER: LDSQA3D20R359840D010 3LSQCA30R 1MMS

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	1.6	3.2	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1320410

CATALOG NUMBER: LDSQA3D20R359840D010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	127.9	127.9	127.9	127.9
2.5°	98.8	76.1	64.8	63.1
5°	68.0	42.1	30.8	29.1
7.5°	46.9	21.0	14.6	13.0
10°	27.5	9.7	4.9	3.2
12.5°	16.2	1.6	0.0	0.0
15°	4.9	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°	1.6	0.0	0.0	0.0
67.5°	1.6	0.0	0.0	0.0
70°	1.6	0.0	0.0	0.0
72.5°	1.6	0.0	0.0	0.0
75°	1.6	0.0	0.0	0.0
77.5°	1.6	0.0	0.0	0.0
80°	1.6	0.0	0.0	0.0



TEST NUMBER: P1320410
CATALOG NUMBER: LDSQA3D20R359840D010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.6	0.0	0.0	0.0
85°	1.6	0.0	0.0	0.0
87.5°	1.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)