

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: P1320375

Luminaire Tested: LDSQA3D20R259840D010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320375
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-49)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R259840D010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

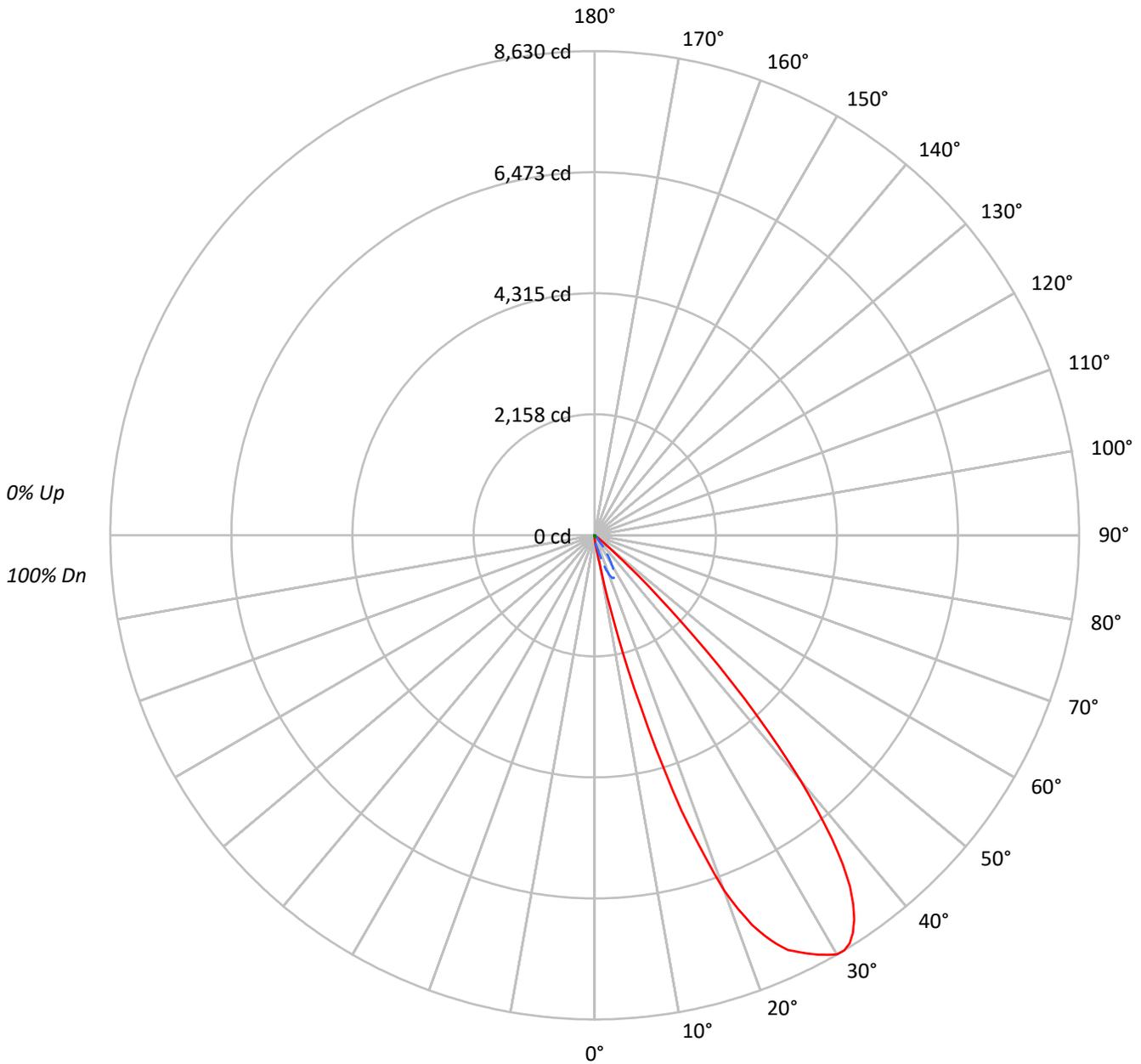
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1691.0 lumens
Efficiency: N/A
Efficacy: 61.7 lumens/watt
Spacing Criteria (0/90/45): 2.4 / 0.45 / 1.25
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 (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

TEST NUMBER: P1320375
CATALOG NUMBER: LDSQA3D20R259840D010 3LSQCA30R 1MB

Luminous Intensity Polar Plot



— 0°-180° - - - 45°-225° ····· 90°-270°



TEST NUMBER: P1320375

CATALOG NUMBER: LDSQA3D20R259840D010 3LSQCA30R 1MB

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	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	83	79	77	75
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	76	72	69	67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	63	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	70	59	52	47	69	58	52	47	57	51	47	56	51	46	55	50	46	55	50	46	45
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	38	60	50	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°	9197	9197	9197	9197	9197
5°	28836	20158	8402	4478	3354
10°	90920	36532	6226	560	0
15°	562245	69590	3762	0	0
20°	1232784	135661	1191	0	0
25°	1549648	156050	0	0	0
30°	1715454	120791	0	0	0
35°	1688646	68435	0	0	0
40°	1283546	17851	0	0	0
45°	519927	7891	0	0	0
50°	57712	857	0	0	0
55°	4384	0	480	0	0
60°	0	0	551	0	0
65°	0	0	1304	0	0
70°	0	806	1611	0	0
75°	0	1065	3261	0	0
80°	0	1587	4860	0	0
85°	0	3162	9683	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 519927 cd/sqm



TEST NUMBER: P1320375

CATALOG NUMBER: LDSQA3D20R259840D010 3LSQCA30R 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	0.5
10°-20°	174.7	10.3
20°-30°	610.6	36.1
30°-40°	681.1	40.3
40°-50°	205.7	12.2
50°-60°	6.9	0.4
60°-70°	0.9	0.1
70°-80°	1.5	0.1
80°-90°	1.3	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°	793.6	46.9
0°-40°	1474.7	87.2
0°-60°	1687.3	99.8
0°-90°	1691.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1691.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	53	53	53	53	53	
5°	167	117	49	26	19	26
15°	3153	390	21	0	0	1048
25°	8155	821	0	0	0	3720
35°	8032	326	0	0	0	4822
45°	2135	32	0	0	0	1844
55°	15	0	2	0	0	45
65°	0	0	3	0	0	0
75°	0	2	5	0	0	0
85°	0	2	5	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1320375
 CATALOG NUMBER: LDSQA3D20R259840D010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
2.5°	92.3	95.6	93.9	95.6	93.9	93.9	93.9	95.6	93.9	93.9	93.9
5°	166.8	168.4	168.4	166.8	166.8	170.1	166.8	168.4	163.6	166.8	165.2
7.5°	273.7	270.5	270.5	272.1	272.1	268.9	267.2	264.0	267.2	267.2	262.4
10°	519.9	516.7	508.6	505.3	508.6	508.6	492.4	495.6	497.2	482.7	477.8
12.5°	1527.3	1516.0	1538.7	1503.0	1482.0	1448.0	1467.4	1401.0	1386.4	1376.7	1354.0
15°	3153.4	3239.3	3202.0	3205.3	3211.8	3130.8	3158.3	3057.9	2973.7	2947.7	2929.9
17.5°	5142.4	5168.3	5134.3	5118.1	5111.6	5072.7	5025.8	4975.5	4910.8	4854.1	4807.1
20°	6726.4	6706.9	6648.6	6655.1	6585.5	6549.8	6509.3	6459.1	6408.9	6326.3	6247.0
21°	7144.2	7087.6	7089.2	7050.3	7048.7	7003.3	6932.1	6880.2	6834.9	6741.0	6690.7
22°	7487.6	7474.7	7445.5	7416.3	7385.6	7362.9	7283.5	7257.6	7165.3	7087.6	7016.3
23°	7754.8	7759.7	7733.8	7714.4	7672.2	7662.5	7560.5	7524.9	7461.7	7343.5	7270.6
24°	7976.7	7968.6	7939.5	7905.5	7881.2	7858.5	7780.8	7722.5	7652.8	7555.6	7484.4
25°	8154.9	8135.5	8116.0	8090.1	8051.2	8025.3	7946.0	7881.2	7821.3	7712.7	7615.6
26°	8260.2	8265.0	8234.3	8214.8	8180.8	8154.9	8072.3	7996.2	7921.7	7805.1	7717.6
27°	8367.1	8362.2	8334.7	8305.5	8269.9	8260.2	8164.6	8085.3	8009.1	7886.0	7782.4
28°	8465.9	8452.9	8430.2	8396.2	8357.4	8328.2	8235.9	8153.3	8070.7	7939.5	7826.1
29°	8548.5	8535.5	8520.9	8477.2	8427.0	8407.6	8308.8	8208.3	8125.7	7991.3	7871.5
30°	8626.2	8601.9	8567.9	8530.7	8482.1	8444.8	8341.2	8253.7	8156.5	8007.5	7892.5
31°	8629.5	8597.1	8572.8	8533.9	8478.8	8433.5	8325.0	8235.9	8122.5	7983.2	7858.5
32°	8572.8	8556.6	8517.7	8475.6	8422.1	8376.8	8256.9	8163.0	8056.1	7907.1	7782.4
33°	8444.8	8428.6	8405.9	8362.2	8292.6	8250.5	8143.6	8039.9	7934.6	7800.2	7657.7
34°	8268.3	8248.8	8219.7	8176.0	8104.7	8061.0	7975.1	7868.2	7756.5	7617.2	7484.4
35°	8031.8	7994.6	7986.5	7921.7	7855.3	7843.9	7741.9	7630.1	7516.8	7362.9	7247.9
36°	7738.7	7694.9	7665.8	7643.1	7599.4	7545.9	7445.5	7356.4	7210.6	7111.9	6949.9
37°	7338.6	7285.2	7312.7	7251.1	7183.1	7160.4	7032.5	6951.5	6828.4	6694.0	6556.3
38°	6872.1	6867.3	6860.8	6833.3	6716.7	6656.7	6603.3	6517.4	6410.5	6248.6	6062.3
39°	6282.6	6292.3	6258.3	6261.5	6203.2	6143.3	6068.8	5971.6	5842.1	5694.7	5544.0
40°	5709.2	5571.6	5595.9	5513.3	5518.1	5429.0	5331.9	5246.0	5163.4	5033.8	4828.2
42.5°	3950.3	3929.3	3856.4	3804.5	3827.2	3712.2	3584.3	3464.4	3349.4	3203.7	3023.9
45°	2134.7	2086.1	2100.7	2016.5	2016.5	1964.6	1929.0	1828.6	1721.7	1655.3	1551.6
47.5°	793.6	803.3	821.2	787.1	748.3	770.9	736.9	736.9	719.1	698.1	668.9
50°	215.4	218.7	215.4	215.4	210.6	207.3	200.8	199.2	197.6	192.7	184.6
52.5°	87.5	82.6	82.6	84.2	84.2	81.0	82.6	82.6	81.0	79.4	79.4
55°	14.6	16.2	16.2	16.2	16.2	14.6	14.6	16.2	17.8	16.2	16.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1320375
CATALOG NUMBER: LDSQA3D20R259840D010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P1320375
 CATALOG NUMBER: LDSQA3D20R259840D010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
2.5°	90.7	79.4	66.4	55.1	43.7	37.3	34.0	35.6
5°	153.9	116.6	76.1	48.6	34.0	25.9	21.1	19.4
7.5°	236.5	160.3	85.8	42.1	25.9	13.0	8.1	6.5
10°	362.8	208.9	92.3	35.6	16.2	3.2	0.0	0.0
12.5°	931.3	255.9	93.9	29.2	6.5	0.0	0.0	0.0
15°	1914.4	390.3	90.7	21.1	1.6	0.0	0.0	0.0
17.5°	3182.6	597.6	79.4	14.6	0.0	0.0	0.0	0.0
20°	4415.1	740.2	63.2	6.5	0.0	0.0	0.0	0.0
21°	4786.0	782.3	56.7	4.9	0.0	0.0	0.0	0.0
22°	5088.9	813.1	50.2	3.2	0.0	0.0	0.0	0.0
23°	5341.6	829.3	43.7	1.6	0.0	0.0	0.0	0.0
24°	5518.1	832.5	40.5	1.6	0.0	0.0	0.0	0.0
25°	5602.3	821.2	35.6	0.0	0.0	0.0	0.0	0.0
26°	5634.7	798.5	32.4	0.0	0.0	0.0	0.0	0.0
27°	5610.4	769.3	29.2	0.0	0.0	0.0	0.0	0.0
28°	5566.7	725.6	24.3	0.0	0.0	0.0	0.0	0.0
29°	5480.9	667.3	21.1	0.0	0.0	0.0	0.0	0.0
30°	5398.3	607.4	17.8	0.0	0.0	0.0	0.0	0.0
31°	5304.3	553.9	14.6	0.0	0.0	0.0	0.0	0.0
32°	5189.3	492.4	11.3	0.0	0.0	0.0	0.0	0.0
33°	4998.2	435.7	8.1	0.0	0.0	0.0	0.0	0.0
34°	4731.0	382.2	6.5	0.0	0.0	0.0	0.0	0.0
35°	4373.0	325.5	4.9	0.0	0.0	0.0	0.0	0.0
36°	3981.1	265.6	3.2	0.0	0.0	0.0	0.0	0.0
37°	3501.7	192.7	3.2	0.0	0.0	0.0	0.0	0.0
38°	3001.2	121.5	1.6	0.0	0.0	0.0	0.0	0.0
39°	2489.4	92.3	1.6	0.0	0.0	0.0	0.0	0.0
40°	2021.3	79.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1081.9	53.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	638.1	32.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	356.3	13.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	128.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	50.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	17.8	0.0	0.0	1.6	0.0	0.0	0.0	0.0
57.5°	1.6	0.0	1.6	1.6	0.0	0.0	0.0	0.0
60°	0.0	0.0	1.6	1.6	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	1.6	3.2	0.0	0.0	0.0	0.0
65°	0.0	0.0	3.2	3.2	1.6	0.0	0.0	0.0
67.5°	0.0	1.6	3.2	3.2	1.6	0.0	0.0	0.0
70°	0.0	1.6	3.2	3.2	1.6	0.0	0.0	0.0
72.5°	0.0	1.6	3.2	4.9	1.6	0.0	0.0	0.0
75°	0.0	1.6	3.2	4.9	1.6	0.0	0.0	0.0
77.5°	0.0	1.6	3.2	4.9	1.6	0.0	0.0	0.0
80°	0.0	1.6	3.2	4.9	1.6	0.0	0.0	0.0



TEST NUMBER: P1320375
CATALOG NUMBER: LDSQA3D20R259840D010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.0	1.6	3.2	4.9	1.6	0.0	0.0	0.0
85°	0.0	1.6	3.2	4.9	1.6	0.0	0.0	0.0
87.5°	0.0	1.6	3.2	4.9	1.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)