

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: P1310677

Luminaire Tested: LDSQA3D20R359035D010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310677  
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: LDSQA3D20R359035D010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

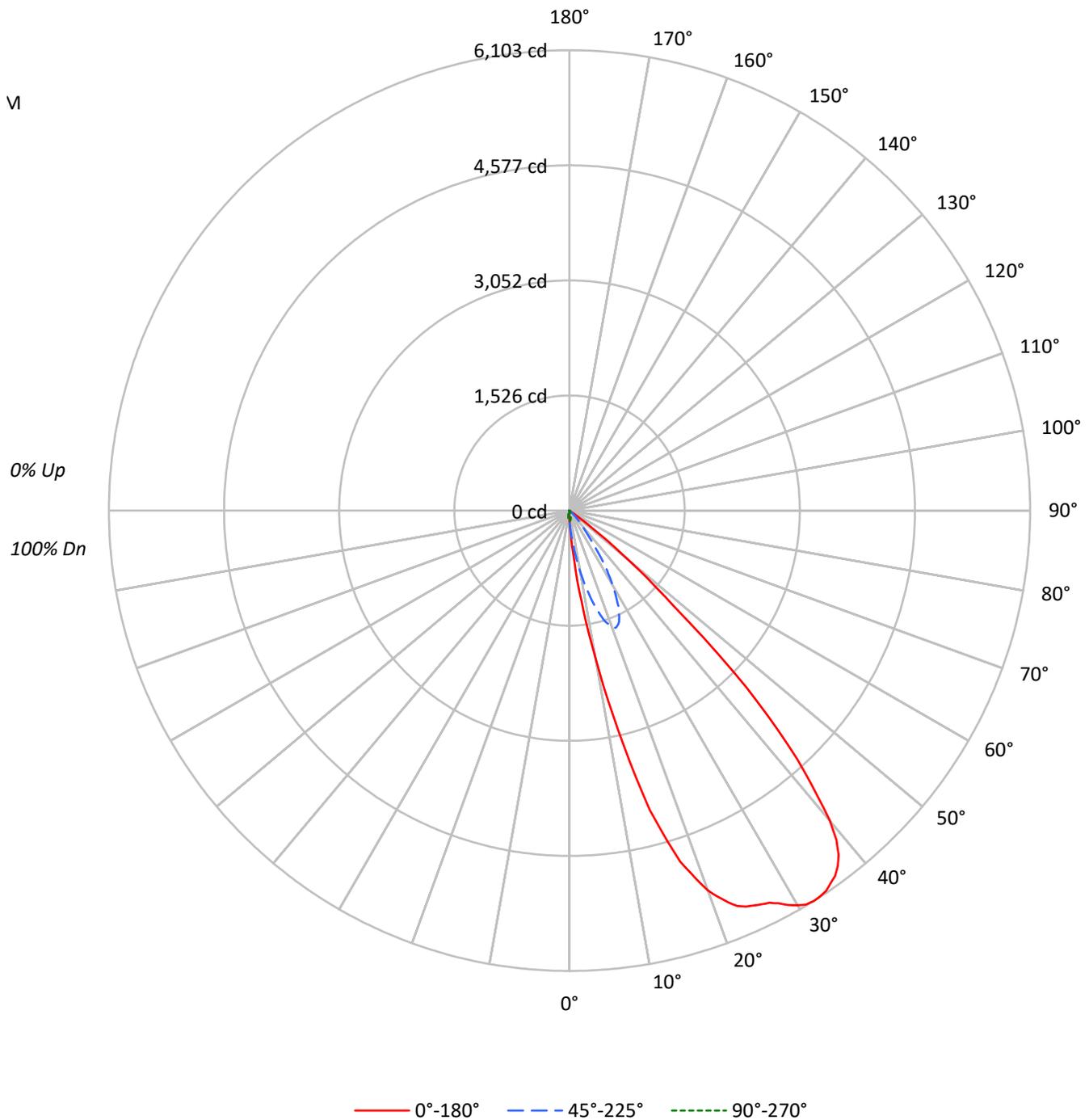
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1823.0 lumens  
Efficiency: N/A  
Efficacy: 63.3 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): 28.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P1310677  
CATALOG NUMBER: LDSQA3D20R359035D010 3LSQCA30R 1MMS

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	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°	23663	23663	23663	23663	23663
5°	102829	63741	21956	7814	5411
10°	346104	143856	16421	1819	612
15°	732430	235977	10234	0	0
20°	982045	301525	4783	0	0
25°	1097537	296119	988	0	0
30°	1201506	226886	0	0	0
35°	1268051	123582	0	0	0
40°	1205444	55531	0	0	0
45°	809056	24575	0	0	0
50°	270262	2331	0	0	0
55°	14623	0	0	0	0
60°	0	0	586	0	0
65°	0	0	1426	0	0
70°	0	856	1762	0	0
75°	0	1131	2329	0	0
80°	0	1686	3471	0	0
85°	0	3359	6916	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 809056 cd/sqm



TEST NUMBER: P1310677

CATALOG NUMBER: LDSQA3D20R359035D010 3LSQCA30R 1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.5	1.6
10°-20°	252.9	13.9
20°-30°	555.0	30.4
30°-40°	641.9	35.2
40°-50°	316.9	17.4
50°-60°	23.4	1.3
60°-70°	0.8	0.0
70°-80°	1.3	0.1
80°-90°	1.2	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°	837.4	45.9
0°-40°	1479.4	81.2
0°-60°	1819.7	99.8
0°-90°	1823.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1823.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	137	137	137	137	137	
5°	595	369	127	45	31	102
15°	4108	1324	57	0	0	1159
25°	5776	1558	5	0	0	2670
35°	6031	588	0	0	0	3724
45°	3322	101	0	0	0	2438
55°	49	0	0	0	0	199
65°	0	0	4	0	0	0
75°	0	2	4	0	0	0
85°	0	2	4	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°	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4	137.4
2.5°	273.0	280.0	276.5	276.5	274.8	266.1	250.4	245.2	226.1	179.1	139.1
5°	594.8	596.5	591.3	565.2	542.6	521.7	476.5	455.7	368.7	219.1	127.0
7.5°	1207.0	1180.9	1147.8	1111.3	1031.3	958.3	862.6	761.7	570.4	253.9	113.0
10°	1979.1	1942.6	1914.8	1827.8	1683.5	1533.9	1351.3	1186.1	822.6	278.3	93.9
12.5°	2975.7	2954.8	2855.7	2681.8	2467.8	2252.2	1933.9	1671.3	1076.5	283.5	76.5
15°	4107.9	4073.1	3921.8	3674.8	3384.4	3045.2	2619.1	2177.4	1323.5	267.8	57.4
17.5°	4881.8	4862.6	4732.2	4473.1	4139.2	3707.8	3203.5	2652.2	1527.0	234.8	40.0
20°	5358.3	5330.5	5208.7	4989.6	4640.0	4189.6	3591.3	2954.8	1645.2	193.0	26.1
21°	5481.8	5453.9	5356.6	5128.7	4794.8	4311.3	3697.4	3027.8	1667.8	173.9	20.9
22°	5598.3	5570.5	5467.9	5266.1	4935.7	4431.3	3780.9	3083.5	1664.4	158.3	15.7
23°	5695.7	5666.1	5565.2	5379.2	5047.0	4537.4	3843.5	3111.3	1641.7	142.6	12.2
24°	5746.1	5728.7	5638.3	5462.6	5137.4	4612.2	3887.0	3121.8	1613.9	127.0	8.7
25°	5775.7	5754.8	5666.1	5504.4	5196.6	4671.3	3914.8	3113.1	1558.3	113.0	5.2
26°	5807.0	5775.7	5674.8	5518.3	5227.9	4699.2	3916.5	3090.5	1499.1	100.9	1.7
27°	5834.8	5805.3	5700.9	5528.7	5233.1	4690.5	3902.6	3047.0	1427.8	88.7	1.7
28°	5895.7	5862.6	5742.6	5551.3	5238.3	4667.9	3859.2	2987.8	1333.9	78.3	0.0
29°	5975.7	5940.9	5803.5	5605.3	5250.5	4643.5	3800.0	2909.6	1252.2	69.6	0.0
30°	6041.8	6010.5	5883.5	5673.1	5281.8	4620.9	3730.5	2803.5	1140.9	59.1	0.0
31°	6090.5	6059.2	5942.6	5730.5	5309.6	4600.0	3643.5	2693.9	1040.0	52.2	0.0
32°	6102.6	6076.6	5967.0	5754.8	5309.6	4568.7	3563.5	2570.4	940.9	43.5	0.0
33°	6097.4	6071.3	5960.0	5737.4	5262.6	4493.9	3466.1	2422.6	827.8	38.3	0.0
34°	6078.3	6047.0	5928.7	5681.8	5170.5	4367.0	3325.2	2274.8	709.6	31.3	0.0
35°	6031.3	6003.5	5874.8	5577.4	5027.9	4173.9	3137.4	2104.4	587.8	26.1	0.0
36°	5986.1	5944.4	5786.1	5448.7	4840.0	3975.7	2913.1	1907.8	483.5	20.9	0.0
37°	5902.6	5843.5	5683.5	5262.6	4573.9	3695.7	2657.4	1692.2	405.2	15.7	0.0
38°	5791.3	5711.3	5507.9	5047.0	4306.1	3433.1	2417.4	1497.4	340.9	10.4	0.0
39°	5619.2	5525.2	5248.7	4751.3	3996.5	3128.7	2142.6	1290.4	290.4	7.0	0.0
40°	5361.8	5273.1	4967.0	4400.0	3688.7	2793.1	1860.9	1057.4	247.0	3.5	0.0
42.5°	4464.4	4342.6	3987.8	3424.4	2727.0	2008.7	1231.3	587.8	163.5	0.0	0.0
45°	3321.8	3213.9	2866.1	2353.1	1817.4	1229.6	659.1	346.1	100.9	0.0	0.0
47.5°	1876.5	1864.4	1638.3	1351.3	1013.9	653.9	333.9	208.7	43.5	0.0	0.0
50°	1008.7	946.1	815.7	619.1	422.6	285.2	180.9	114.8	8.7	0.0	0.0
52.5°	368.7	356.5	299.1	248.7	191.3	130.4	92.2	50.4	0.0	0.0	0.0
55°	48.7	45.2	47.0	50.4	52.2	45.2	29.6	10.4	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.7	3.5	3.5	3.5	0.0	0.0	0.0	1.7
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5	3.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5	3.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5	3.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5	3.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5	3.5



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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	1.7	3.5	3.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5	3.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5	3.5
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°	137.4	137.4	137.4	137.4
2.5°	106.1	81.7	69.6	67.8
5°	73.0	45.2	33.0	31.3
7.5°	50.4	22.6	15.7	13.9
10°	29.6	10.4	5.2	3.5
12.5°	17.4	1.7	0.0	0.0
15°	5.2	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°	1.7	0.0	0.0	0.0
67.5°	1.7	0.0	0.0	0.0
70°	1.7	0.0	0.0	0.0
72.5°	1.7	0.0	0.0	0.0
75°	1.7	0.0	0.0	0.0
77.5°	1.7	0.0	0.0	0.0
80°	1.7	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
82.5°	1.7	0.0	0.0	0.0
85°	1.7	0.0	0.0	0.0
87.5°	1.7	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)