

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: P1307259

Luminaire Tested: LDSQA3D17R159024DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307259
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R159024DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

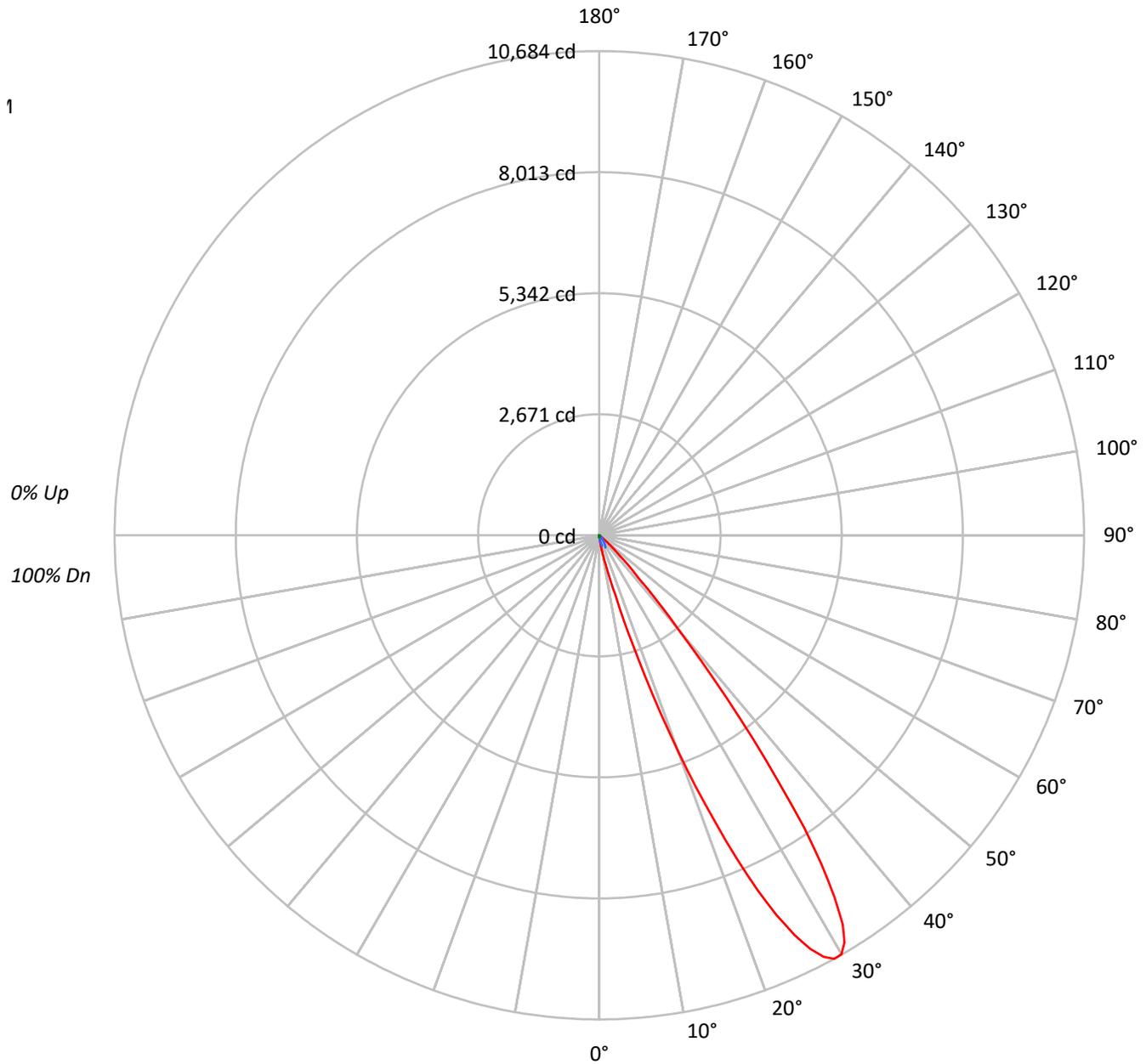
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1167.0 lumens
Efficiency: N/A
Efficacy: 55.0 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
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

TEST NUMBER: P1307259
CATALOG NUMBER: LDSQA3D17R159024DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot



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



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CATALOG NUMBER: LDSQA3D17R159024DE010 3LSQCA30R 1MW

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	92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	77	73	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	71	66	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	51	46	42	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6648	6648	6648	6648	6648
5°	14332	10598	6276	3337	2749
10°	63534	20059	4967	1382	997
15°	240257	46357	3441	606	410
20°	923965	65338	2089	202	202
25°	1757024	61265	1083	0	0
30°	2122512	49438	457	0	0
35°	1655406	33660	231	0	0
40°	604093	16592	247	0	247
45°	155099	4969	268	0	560
50°	26150	616	295	295	911
55°	3423	0	691	1021	1711
60°	379	379	1171	1550	2342
65°	448	448	1834	2323	2771
70°	554	554	2266	2266	2870
75°	732	732	2994	2262	2994
80°	0	1091	3372	2281	3372
85°	0	2174	6719	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 155099 cd/sqm



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CATALOG NUMBER: LDSQA3D17R159024DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.3	0.5
10°-20°	89.4	7.7
20°-30°	496.0	42.5
30°-40°	479.2	41.1
40°-50°	83.3	7.1
50°-60°	6.0	0.5
60°-70°	3.5	0.3
70°-80°	2.9	0.2
80°-90°	1.4	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°	590.7	50.6
0°-40°	1069.9	91.7
0°-60°	1159.2	99.3
0°-90°	1167.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1167.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	39	39	39	39	39	
5°	83	61	36	19	16	16
15°	1348	260	19	3	2	600
25°	9246	322	6	0	0	4134
35°	7874	160	1	0	0	4528
45°	637	20	1	0	2	684
55°	11	0	2	3	6	22
65°	1	1	4	6	7	1
75°	1	1	4	3	4	1
85°	0	1	3	1	1	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
2.5°	56.8	54.5	55.6	55.6	55.6	55.6	55.6	53.4	53.4	54.5	48.8
5°	82.9	82.9	81.7	82.9	82.9	81.7	79.5	78.3	78.3	76.1	61.3
7.5°	165.7	163.5	163.5	161.2	149.8	146.4	144.2	138.5	128.3	126.0	79.5
10°	363.3	364.4	356.5	346.2	345.1	328.1	322.4	312.2	292.9	273.6	114.7
12.5°	659.5	644.8	625.5	626.6	593.7	582.4	556.2	527.9	498.4	467.7	188.4
15°	1347.5	1305.5	1330.5	1269.2	1199.9	1121.6	1042.1	942.2	857.1	766.3	260.0
17.5°	2838.0	2878.9	2809.6	2547.4	2386.2	2196.6	1929.8	1672.1	1451.9	1274.8	317.9
20°	5041.4	5101.6	4866.6	4638.4	4246.8	3819.9	3374.9	2870.9	2388.5	1970.7	356.5
21°	5962.1	5925.7	5829.2	5463.7	5011.9	4517.0	3972.1	3415.8	2831.2	2288.6	359.9
22°	6852.1	6869.1	6644.3	6261.8	5791.8	5243.5	4578.3	3891.5	3261.4	2547.4	354.2
23°	7738.6	7793.1	7495.7	7137.0	6545.5	5926.9	5157.2	4415.9	3637.2	2843.7	342.8
24°	8559.4	8521.9	8321.0	7869.2	7236.9	6512.6	5713.4	4814.4	3945.9	3096.8	333.7
25°	9246.2	9241.6	8926.1	8486.7	7763.6	6961.0	6080.1	5140.2	4210.4	3268.2	322.4
26°	9808.1	9716.2	9467.5	8931.7	8217.7	7370.8	6380.9	5377.4	4359.2	3354.5	311.0
27°	10241.8	10175.9	9842.2	9284.8	8539.0	7602.4	6573.9	5495.5	4427.3	3382.9	296.3
28°	10533.5	10462.0	10106.7	9532.3	8716.0	7747.7	6676.1	5545.4	4427.3	3355.6	282.7
29°	10684.5	10586.9	10232.7	9617.4	8756.9	7764.8	6651.1	5496.6	4358.0	3271.6	266.8
30°	10673.1	10551.7	10180.5	9540.2	8635.4	7625.1	6511.5	5320.7	4201.4	3146.8	248.6
31°	10489.2	10353.0	9938.7	9279.1	8384.6	7361.8	6248.1	5084.6	3986.8	2984.4	230.4
32°	10115.7	9943.2	9539.1	8881.8	7998.6	6967.8	5865.6	4720.2	3665.6	2747.2	211.1
33°	9507.3	9333.6	8899.9	8283.5	7476.4	6468.4	5358.1	4328.5	3300.0	2464.5	195.3
34°	8745.6	8586.6	8213.2	7592.2	6818.0	5836.1	4774.6	3787.0	2920.9	2184.1	178.2
35°	7873.7	7620.6	7282.3	6790.8	6035.8	5048.2	4144.6	3283.0	2530.4	1890.1	160.1
36°	6694.3	6739.7	6380.9	5779.3	5153.8	4379.6	3512.3	2737.0	2116.0	1610.8	144.2
37°	5648.7	5577.2	5349.1	4883.6	4338.7	3570.2	2943.6	2320.3	1780.0	1362.2	127.1
38°	4556.7	4572.6	4348.9	3991.4	3451.0	2935.6	2369.2	1906.0	1489.4	1159.0	111.2
39°	3566.8	3554.3	3494.1	3162.7	2673.4	2335.1	1919.6	1580.2	1240.8	977.4	94.2
40°	2687.0	2707.4	2566.7	2366.9	2082.0	1803.8	1529.1	1260.1	1026.2	824.2	73.8
42.5°	1306.6	1338.4	1245.3	1194.2	1068.2	959.2	809.4	660.7	561.9	485.9	32.9
45°	636.8	618.7	610.7	585.8	556.2	497.2	440.5	378.0	330.3	284.9	20.4
47.5°	325.8	316.7	316.7	306.5	296.3	277.0	248.6	228.2	205.5	177.1	7.9
50°	97.6	96.5	95.4	96.5	93.1	96.5	98.8	99.9	90.8	89.7	2.3
52.5°	38.6	39.7	38.6	42.0	42.0	40.9	42.0	40.9	39.7	35.2	0.0
55°	11.4	11.4	11.4	11.4	11.4	11.4	12.5	13.6	12.5	13.6	0.0
57.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0
60°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1
62.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	38.6	38.6	38.6	38.6	38.6	38.6
2.5°	45.4	39.7	32.9	27.2	25.0	23.8
5°	48.8	36.3	25.0	19.3	17.0	15.9
7.5°	52.2	32.9	19.3	13.6	10.2	9.1
10°	54.5	28.4	14.8	7.9	5.7	5.7
12.5°	54.5	22.7	10.2	4.5	3.4	3.4
15°	53.4	19.3	6.8	3.4	2.3	2.3
17.5°	52.2	14.8	4.5	2.3	1.1	2.3
20°	48.8	11.4	2.3	1.1	1.1	1.1
21°	47.7	10.2	2.3	1.1	1.1	1.1
22°	45.4	9.1	1.1	0.0	1.1	1.1
23°	43.1	6.8	1.1	0.0	0.0	0.0
24°	39.7	5.7	1.1	0.0	0.0	0.0
25°	37.5	5.7	1.1	0.0	0.0	0.0
26°	35.2	3.4	0.0	0.0	0.0	0.0
27°	31.8	2.3	0.0	0.0	0.0	0.0
28°	29.5	2.3	0.0	0.0	0.0	0.0
29°	26.1	2.3	0.0	0.0	0.0	0.0
30°	22.7	2.3	0.0	0.0	0.0	0.0
31°	18.2	1.1	0.0	0.0	0.0	0.0
32°	14.8	1.1	0.0	0.0	0.0	0.0
33°	10.2	1.1	0.0	0.0	0.0	0.0
34°	6.8	1.1	0.0	0.0	0.0	0.0
35°	5.7	1.1	0.0	0.0	0.0	0.0
36°	3.4	1.1	0.0	0.0	0.0	1.1
37°	3.4	1.1	0.0	0.0	0.0	1.1
38°	2.3	1.1	0.0	0.0	0.0	1.1
39°	1.1	1.1	0.0	0.0	0.0	1.1
40°	1.1	1.1	0.0	0.0	0.0	1.1
42.5°	0.0	1.1	0.0	0.0	1.1	2.3
45°	0.0	1.1	0.0	0.0	1.1	2.3
47.5°	0.0	1.1	0.0	0.0	2.3	2.3
50°	0.0	1.1	1.1	1.1	2.3	3.4
52.5°	0.0	2.3	1.1	2.3	3.4	4.5
55°	1.1	2.3	2.3	3.4	4.5	5.7
57.5°	1.1	3.4	3.4	4.5	5.7	5.7
60°	2.3	3.4	4.5	4.5	6.8	6.8
62.5°	2.3	4.5	4.5	4.5	6.8	6.8
65°	2.3	4.5	4.5	5.7	6.8	6.8
67.5°	2.3	4.5	4.5	4.5	5.7	6.8
70°	2.3	4.5	3.4	4.5	5.7	5.7
72.5°	2.3	4.5	3.4	3.4	4.5	5.7
75°	2.3	4.5	3.4	3.4	4.5	4.5
77.5°	2.3	3.4	3.4	2.3	3.4	3.4
80°	2.3	3.4	2.3	2.3	3.4	3.4



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	2.3	3.4	2.3	1.1	2.3	2.3
85°	2.3	3.4	2.3	1.1	1.1	1.1
87.5°	2.3	3.4	1.1	0.0	0.0	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)