

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: P1317572

Luminaire Tested: LDSQA3D17R159827DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317572
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: LDSQA3D17R159827DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

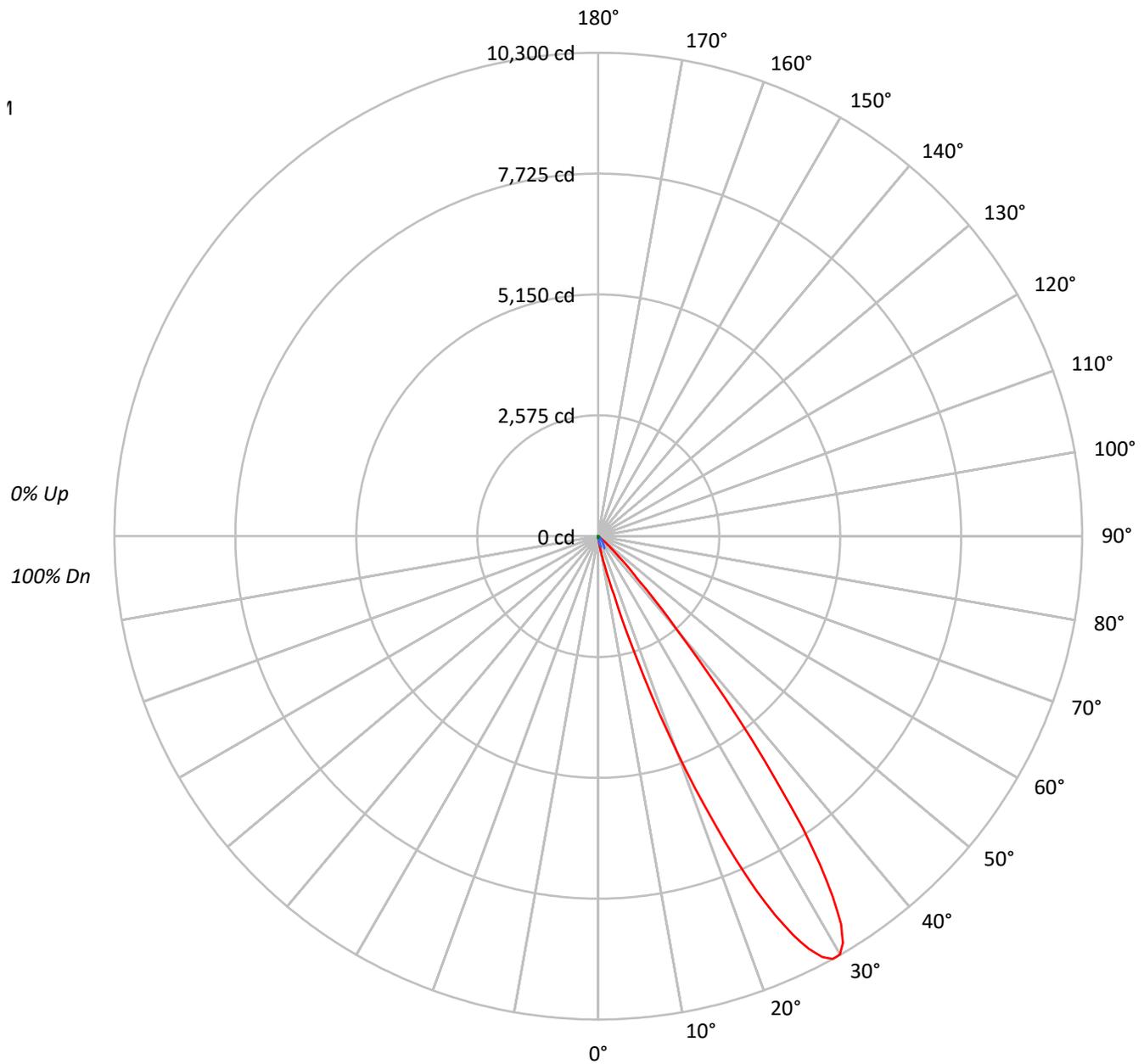
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1125.1 lumens
Efficiency: N/A
Efficacy: 55.1 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): 20.4
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

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Luminous Intensity Polar Plot



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



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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	100				100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92				92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83				83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75				75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68				68
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61				61
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55				55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50				50
8	71	60	53	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45				45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41				41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37				37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6407	6407	6407	6407	6407
5°	13813	10217	6051	3216	2645
10°	61243	19324	4792	1347	962
15°	231609	44681	3316	588	392
20°	890719	62973	1998	202	202
25°	1693784	59060	1045	0	0
30°	2046128	47668	438	0	0
35°	1595844	32441	231	0	0
40°	582353	15985	247	0	247
45°	149521	4798	268	0	536
50°	25212	589	295	295	884
55°	3273	0	661	991	1651
60°	379	379	1137	1516	2273
65°	448	448	1793	2241	2690
70°	554	554	2216	2216	2769
75°	732	732	2928	2196	2928
80°	0	1091	3273	2182	3273
85°	0	2174	6521	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 149521 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	0.5
10°-20°	86.2	7.7
20°-30°	478.1	42.5
30°-40°	461.9	41.1
40°-50°	80.3	7.1
50°-60°	5.8	0.5
60°-70°	3.4	0.3
70°-80°	2.8	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°	569.4	50.6
0°-40°	1031.4	91.7
0°-60°	1117.5	99.3
0°-90°	1125.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1125.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	37	37	37	37	37	
5°	80	59	35	19	15	16
15°	1299	251	19	3	2	579
25°	8913	311	6	0	0	3985
35°	7590	154	1	0	0	4365
45°	614	20	1	0	2	659
55°	11	0	2	3	6	21
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°	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
2.5°	54.7	52.5	53.6	53.6	53.6	53.6	53.6	51.4	51.4	52.5	47.1
5°	79.9	79.9	78.8	79.9	79.9	78.8	76.6	75.5	75.5	73.3	59.1
7.5°	159.8	157.6	157.6	155.4	144.5	141.2	139.0	133.5	123.7	121.5	76.6
10°	350.2	351.3	343.6	333.8	332.7	316.3	310.8	300.9	282.3	263.7	110.5
12.5°	635.8	621.6	603.0	604.1	572.3	561.4	536.2	508.9	480.4	450.9	181.7
15°	1299.0	1258.5	1282.6	1223.5	1156.7	1081.2	1004.6	908.3	826.2	738.7	250.6
17.5°	2735.9	2775.3	2708.5	2455.7	2300.3	2117.6	1860.4	1612.0	1399.7	1228.9	306.4
20°	4860.0	4918.0	4691.4	4471.5	4093.9	3682.5	3253.5	2767.6	2302.5	1899.8	343.6
21°	5747.5	5712.5	5619.4	5267.1	4831.5	4354.4	3829.1	3292.9	2729.3	2206.2	346.9
22°	6605.4	6621.9	6405.2	6036.4	5583.3	5054.8	4413.5	3751.4	3144.0	2455.7	341.4
23°	7460.1	7512.7	7225.9	6880.1	6310.0	5713.6	4971.6	4257.0	3506.3	2741.3	330.5
24°	8251.3	8215.2	8021.5	7586.0	6976.4	6278.2	5507.8	4641.1	3803.9	2985.4	321.7
25°	8913.4	8909.0	8604.8	8181.3	7484.2	6710.5	5861.3	4955.2	4058.9	3150.6	310.8
26°	9455.1	9366.5	9126.8	8610.3	7921.9	7105.6	6151.3	5183.9	4202.3	3233.8	299.8
27°	9873.2	9809.7	9487.9	8950.6	8231.6	7328.8	6337.3	5297.7	4267.9	3261.1	285.6
28°	10154.4	10085.5	9742.9	9189.2	8402.4	7468.9	6435.8	5345.9	4267.9	3234.9	272.5
29°	10299.9	10205.8	9864.4	9271.3	8441.8	7485.3	6411.8	5298.8	4201.2	3153.9	257.2
30°	10289.0	10171.9	9814.1	9196.9	8324.7	7350.7	6277.1	5129.2	4050.2	3033.5	239.7
31°	10111.7	9980.4	9581.0	8945.2	8082.8	7096.8	6023.3	4901.6	3843.3	2877.0	222.2
32°	9751.7	9585.3	9195.8	8562.1	7710.7	6717.1	5654.5	4550.3	3533.6	2648.3	203.5
33°	9165.1	8997.7	8579.6	7985.4	7207.3	6235.6	5165.3	4172.7	3181.3	2375.8	188.2
34°	8430.8	8277.6	7917.6	7319.0	6572.6	5626.0	4602.8	3650.7	2815.7	2105.5	171.8
35°	7590.4	7346.3	7020.2	6546.4	5818.6	4866.5	3995.4	3164.8	2439.3	1822.1	154.3
36°	6453.3	6497.1	6151.3	5571.3	4968.3	4222.0	3385.9	2638.5	2039.9	1552.9	139.0
37°	5445.4	5376.5	5156.5	4707.9	4182.6	3441.7	2837.6	2236.8	1715.9	1313.2	122.6
38°	4392.7	4408.0	4192.4	3847.7	3326.8	2830.0	2283.9	1837.4	1435.8	1117.3	107.2
39°	3438.4	3426.4	3368.4	3048.8	2577.2	2251.1	1850.5	1523.3	1196.1	942.2	90.8
40°	2590.3	2610.0	2474.3	2281.7	2007.0	1738.9	1474.1	1214.7	989.3	794.5	71.1
42.5°	1259.6	1290.2	1200.5	1151.2	1029.8	924.7	780.3	636.9	541.7	468.4	31.7
45°	613.9	596.4	588.8	564.7	536.2	479.3	424.6	364.4	318.5	274.7	19.7
47.5°	314.1	305.3	305.3	295.5	285.6	267.0	239.7	220.0	198.1	170.7	7.7
50°	94.1	93.0	91.9	93.0	89.7	93.0	95.2	96.3	87.5	86.5	2.2
52.5°	37.2	38.3	37.2	40.5	40.5	39.4	40.5	39.4	38.3	33.9	0.0
55°	10.9	10.9	10.9	10.9	10.9	10.9	12.0	13.1	12.0	13.1	0.0
57.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	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°	37.2	37.2	37.2	37.2	37.2	37.2
2.5°	43.8	38.3	31.7	26.3	24.1	23.0
5°	47.1	35.0	24.1	18.6	16.4	15.3
7.5°	50.3	31.7	18.6	13.1	9.8	8.8
10°	52.5	27.4	14.2	7.7	5.5	5.5
12.5°	52.5	21.9	9.8	4.4	3.3	3.3
15°	51.4	18.6	6.6	3.3	2.2	2.2
17.5°	50.3	14.2	4.4	2.2	1.1	2.2
20°	47.1	10.9	2.2	1.1	1.1	1.1
21°	46.0	9.8	2.2	1.1	1.1	1.1
22°	43.8	8.8	1.1	0.0	1.1	1.1
23°	41.6	6.6	1.1	0.0	0.0	0.0
24°	38.3	5.5	1.1	0.0	0.0	0.0
25°	36.1	5.5	1.1	0.0	0.0	0.0
26°	33.9	3.3	0.0	0.0	0.0	0.0
27°	30.6	2.2	0.0	0.0	0.0	0.0
28°	28.5	2.2	0.0	0.0	0.0	0.0
29°	25.2	2.2	0.0	0.0	0.0	0.0
30°	21.9	2.2	0.0	0.0	0.0	0.0
31°	17.5	1.1	0.0	0.0	0.0	0.0
32°	14.2	1.1	0.0	0.0	0.0	0.0
33°	9.8	1.1	0.0	0.0	0.0	0.0
34°	6.6	1.1	0.0	0.0	0.0	0.0
35°	5.5	1.1	0.0	0.0	0.0	0.0
36°	3.3	1.1	0.0	0.0	0.0	1.1
37°	3.3	1.1	0.0	0.0	0.0	1.1
38°	2.2	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	2.2
45°	0.0	1.1	0.0	0.0	1.1	2.2
47.5°	0.0	1.1	0.0	0.0	2.2	2.2
50°	0.0	1.1	1.1	1.1	2.2	3.3
52.5°	0.0	2.2	1.1	2.2	3.3	4.4
55°	1.1	2.2	2.2	3.3	4.4	5.5
57.5°	1.1	3.3	3.3	4.4	5.5	5.5
60°	2.2	3.3	4.4	4.4	6.6	6.6
62.5°	2.2	4.4	4.4	4.4	6.6	6.6
65°	2.2	4.4	4.4	5.5	6.6	6.6
67.5°	2.2	4.4	4.4	4.4	5.5	6.6
70°	2.2	4.4	3.3	4.4	5.5	5.5
72.5°	2.2	4.4	3.3	3.3	4.4	5.5
75°	2.2	4.4	3.3	3.3	4.4	4.4
77.5°	2.2	3.3	3.3	2.2	3.3	3.3
80°	2.2	3.3	2.2	2.2	3.3	3.3



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	2.2	3.3	2.2	1.1	2.2	2.2
85°	2.2	3.3	2.2	1.1	1.1	1.1
87.5°	2.2	3.3	1.1	0.0	0.0	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)