

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: P1318511

Luminaire Tested: LDSQA3D17R359830DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318511
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: LDSQA3D17R359830DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

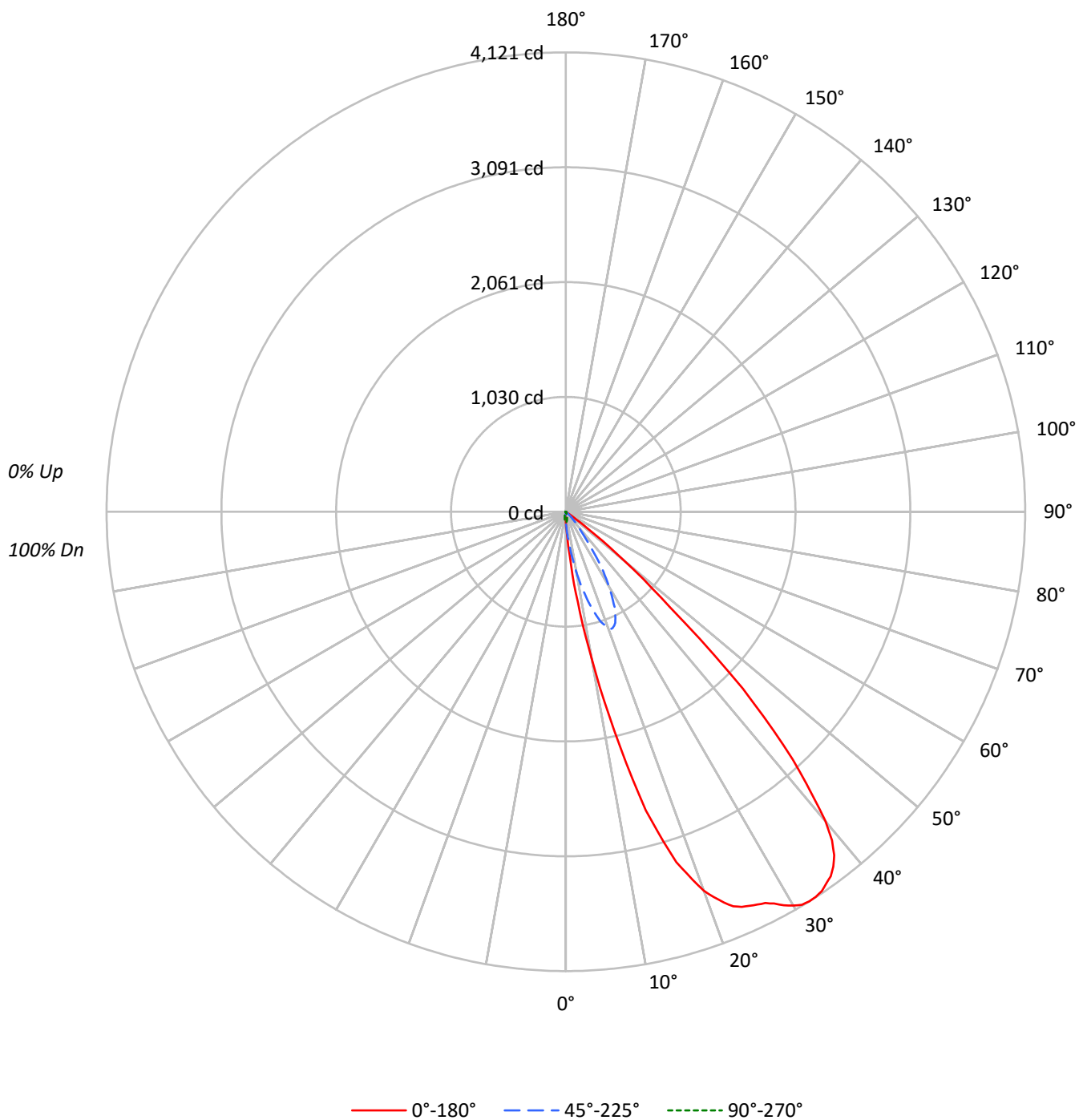
Lumens per Lamp: N/A
Luminaire Lumens: 1231.0 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (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

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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	15982	15982	15982	15982	15982
5°	69429	43047	14816	5273	3648
10°	233709	97146	11087	1224	402
15°	494581	159345	6918	0	0
20°	663127	203619	3226	0	0
25°	741123	199946	665	0	0
30°	811332	153206	0	0	0
35°	856265	83446	0	0	0
40°	813986	37500	0	0	0
45°	546329	16586	0	0	0
50°	182488	1581	0	0	0
55°	9879	0	0	0	0
60°	0	0	413	0	0
65°	0	0	937	0	0
70°	0	604	1158	0	0
75°	0	799	1530	0	0
80°	0	1190	2281	0	0
85°	0	2371	4545	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 546329 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.9	1.6
10°-20°	170.8	13.9
20°-30°	374.8	30.4
30°-40°	433.5	35.2
40°-50°	214.0	17.4
50°-60°	15.8	1.3
60°-70°	0.5	0.0
70°-80°	0.9	0.1
80°-90°	0.8	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°	565.5	45.9
0°-40°	999.0	81.2
0°-60°	1228.8	99.8
0°-90°	1231.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1231.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	93	93	93	93	93	
5°	402	249	86	30	21	69
15°	2774	894	39	0	0	783
25°	3900	1052	4	0	0	1803
35°	4073	397	0	0	0	2515
45°	2243	68	0	0	0	1646
55°	33	0	0	0	0	134
65°	0	0	2	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	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°	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
2.5°	184.4	189.1	186.7	186.7	185.6	179.7	169.1	165.6	152.7	121.0	93.9
5°	401.6	402.8	399.3	381.7	366.4	352.3	321.8	307.7	249.0	148.0	85.7
7.5°	815.0	797.4	775.1	750.4	696.4	647.1	582.5	514.4	385.2	171.5	76.3
10°	1336.4	1311.8	1293.0	1234.3	1136.8	1035.8	912.5	800.9	555.5	187.9	63.4
12.5°	2009.4	1995.3	1928.3	1810.9	1666.4	1520.8	1305.9	1128.6	726.9	191.4	51.7
15°	2773.9	2750.4	2648.2	2481.5	2285.3	2056.3	1768.6	1470.3	893.7	180.9	38.8
17.5°	3296.5	3283.5	3195.5	3020.5	2795.0	2503.8	2163.2	1790.9	1031.1	158.5	27.0
20°	3618.2	3599.5	3517.2	3369.3	3133.2	2829.1	2425.1	1995.3	1111.0	130.4	17.6
21°	3701.6	3682.8	3617.1	3463.2	3237.7	2911.3	2496.7	2044.6	1126.2	117.4	14.1
22°	3780.3	3761.5	3692.2	3556.0	3332.9	2992.3	2553.1	2082.2	1123.9	106.9	10.6
23°	3846.1	3826.1	3758.0	3632.3	3408.0	3063.9	2595.4	2101.0	1108.6	96.3	8.2
24°	3880.1	3868.4	3807.3	3688.7	3469.1	3114.4	2624.7	2108.0	1089.8	85.7	5.9
25°	3900.1	3886.0	3826.1	3716.9	3509.0	3154.4	2643.5	2102.1	1052.2	76.3	3.5
26°	3921.2	3900.1	3832.0	3726.3	3530.2	3173.2	2644.7	2086.9	1012.3	68.1	1.2
27°	3940.0	3920.1	3849.6	3733.3	3533.7	3167.3	2635.3	2057.5	964.2	59.9	1.2
28°	3981.1	3958.8	3877.8	3748.6	3537.2	3152.0	2605.9	2017.6	900.7	52.8	0.0
29°	4035.1	4011.7	3918.9	3785.0	3545.4	3135.6	2566.0	1964.7	845.5	47.0	0.0
30°	4079.8	4058.6	3972.9	3830.8	3566.6	3120.3	2519.0	1893.1	770.4	39.9	0.0
31°	4112.7	4091.5	4012.8	3869.6	3585.4	3106.2	2460.3	1819.1	702.3	35.2	0.0
32°	4120.9	4103.3	4029.3	3886.0	3585.4	3085.1	2406.3	1735.7	635.3	29.4	0.0
33°	4117.4	4099.7	4024.6	3874.3	3553.7	3034.6	2340.5	1635.9	559.0	25.8	0.0
34°	4104.4	4083.3	4003.4	3836.7	3491.4	2948.9	2245.4	1536.1	479.1	21.1	0.0
35°	4072.7	4053.9	3967.0	3766.2	3395.1	2818.5	2118.6	1421.0	396.9	17.6	0.0
36°	4042.2	4014.0	3907.1	3679.3	3268.3	2684.6	1967.1	1288.3	326.5	14.1	0.0
37°	3985.8	3945.9	3837.9	3553.7	3088.6	2495.5	1794.4	1142.7	273.6	10.6	0.0
38°	3910.7	3856.6	3719.2	3408.0	2907.7	2318.2	1632.4	1011.1	230.2	7.0	0.0
39°	3794.4	3731.0	3544.3	3208.4	2698.7	2112.7	1446.8	871.4	196.1	4.7	0.0
40°	3620.6	3560.7	3354.0	2971.2	2490.8	1886.0	1256.6	714.0	166.8	2.3	0.0
42.5°	3014.6	2932.4	2692.8	2312.3	1841.4	1356.4	831.5	396.9	110.4	0.0	0.0
45°	2243.1	2170.2	1935.4	1588.9	1227.2	830.3	445.1	233.7	68.1	0.0	0.0
47.5°	1267.1	1258.9	1106.3	912.5	684.7	441.6	225.5	140.9	29.4	0.0	0.0
50°	681.1	638.9	550.8	418.1	285.4	192.6	122.1	77.5	5.9	0.0	0.0
52.5°	249.0	240.7	202.0	167.9	129.2	88.1	62.2	34.1	0.0	0.0	0.0
55°	32.9	30.5	31.7	34.1	35.2	30.5	20.0	7.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.2	2.3	2.3	2.3	0.0	0.0	0.0	1.2
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	2.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	2.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	2.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	2.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	2.3



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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	1.2	2.3	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	2.3
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°	92.8	92.8	92.8	92.8
2.5°	71.6	55.2	47.0	45.8
5°	49.3	30.5	22.3	21.1
7.5°	34.1	15.3	10.6	9.4
10°	20.0	7.0	3.5	2.3
12.5°	11.7	1.2	0.0	0.0
15°	3.5	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°	1.2	0.0	0.0	0.0
67.5°	1.2	0.0	0.0	0.0
70°	1.2	0.0	0.0	0.0
72.5°	1.2	0.0	0.0	0.0
75°	1.2	0.0	0.0	0.0
77.5°	1.2	0.0	0.0	0.0
80°	1.2	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.2	0.0	0.0	0.0
85°	1.2	0.0	0.0	0.0
87.5°	1.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)