

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: P1323896

Luminaire Tested: LDSQA3D13R309030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323896
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309030D2WDE010 3LSQCA30R 1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

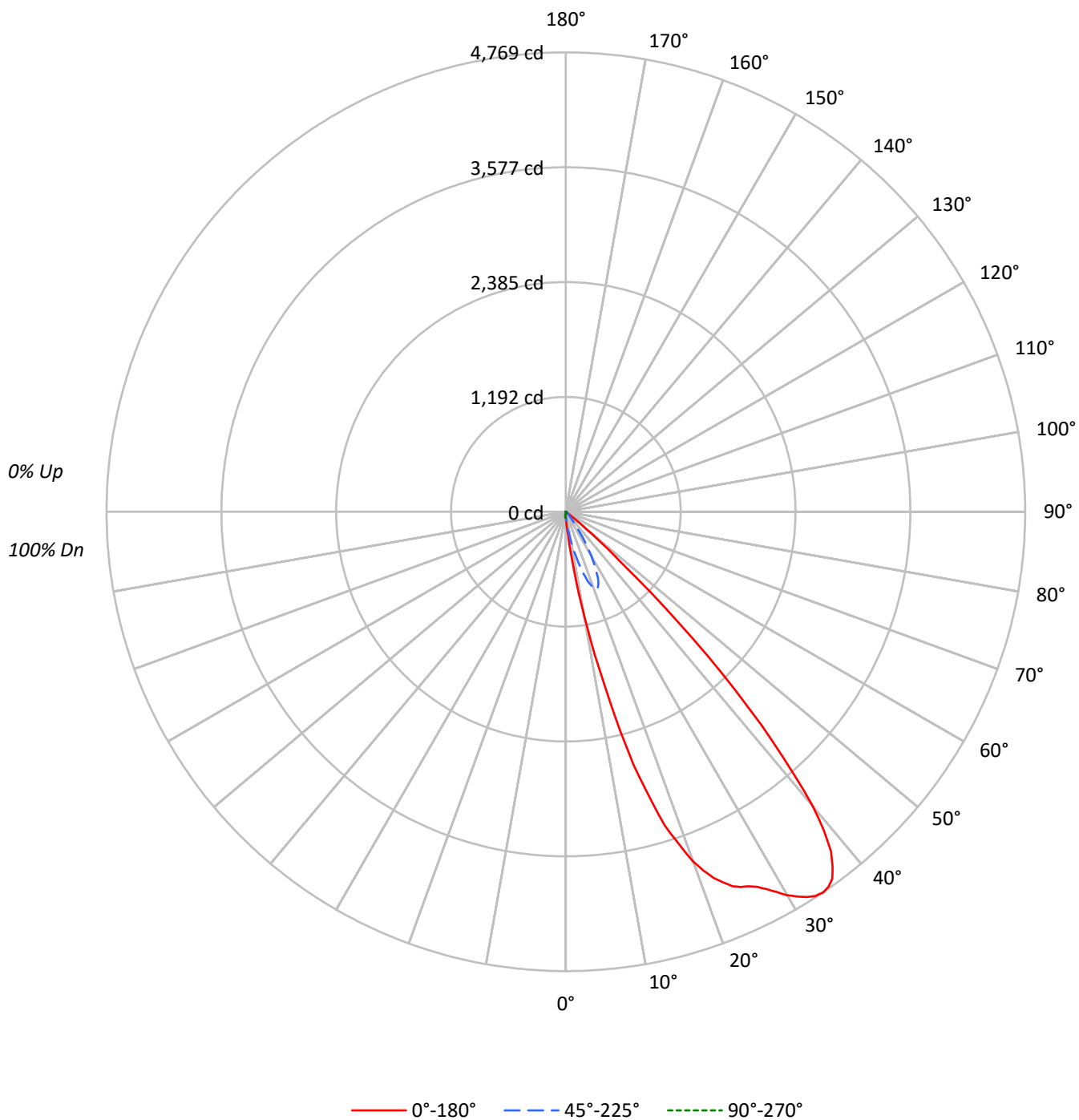
Lumens per Lamp: N/A
Luminaire Lumens: 1148.0 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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	92		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	10574	10574	10574	10574	10574
5°	38362	23840	9681	3907	2801
10°	189919	57081	7537	752	0
15°	484436	108726	4796	0	0
20°	707847	154611	1979	0	0
25°	816640	151698	418	0	0
30°	913966	104126	0	0	0
35°	999568	44845	0	0	0
40°	897147	17446	0	0	0
45°	458136	7088	0	0	0
50°	70707	857	0	0	0
55°	4204	0	330	0	0
60°	0	0	379	0	0
65°	0	0	897	0	0
70°	0	554	1108	0	0
75°	0	732	2129	0	0
80°	0	1091	3174	0	0
85°	0	2174	6323	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 458136 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	1.1
10°-20°	153.0	13.3
20°-30°	378.0	32.9
30°-40°	434.7	37.9
40°-50°	161.2	14.0
50°-60°	5.9	0.5
60°-70°	0.6	0.1
70°-80°	1.0	0.1
80°-90°	0.9	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°	543.8	47.4
0°-40°	978.5	85.2
0°-60°	1145.6	99.8
0°-90°	1148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1148.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	61	61	61	61	61	
5°	222	138	56	23	16	48
15°	2717	610	27	0	0	781
25°	4298	798	2	0	0	1986
35°	4754	213	0	0	0	2882
45°	1881	29	0	0	0	1465
55°	14	0	1	0	0	48
65°	0	0	2	0	0	0
75°	0	1	3	0	0	0
85°	0	1	3	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
2.5°	108.8	109.9	109.9	106.7	105.6	104.5	101.3	91.6	76.5	61.4	49.6
5°	221.9	223.0	223.0	216.5	203.6	190.7	179.9	137.9	88.3	56.0	36.6
7.5°	523.6	524.7	502.0	476.2	424.5	397.5	348.0	212.2	100.2	50.6	23.7
10°	1086.0	1062.3	1003.0	927.6	847.9	744.4	639.9	326.4	108.8	43.1	15.1
12.5°	1815.3	1792.7	1716.2	1608.5	1452.2	1249.7	1051.5	458.9	109.9	34.5	8.6
15°	2717.0	2653.5	2561.9	2383.1	2152.5	1839.0	1511.5	609.8	105.6	26.9	2.2
17.5°	3416.2	3358.1	3241.7	3032.7	2746.1	2398.1	1996.3	753.1	93.7	17.2	0.0
20°	3862.2	3800.8	3692.0	3507.8	3202.9	2794.6	2334.6	843.6	77.6	10.8	0.0
21°	3989.4	3930.1	3823.5	3640.3	3336.5	2929.3	2417.5	862.9	70.0	8.6	0.0
22°	4101.4	4055.1	3956.0	3756.7	3447.5	3028.4	2501.6	865.1	64.6	6.5	0.0
23°	4180.1	4146.7	4047.5	3864.4	3556.3	3109.2	2546.8	852.2	58.2	4.3	0.0
24°	4255.5	4214.5	4129.4	3959.2	3642.5	3177.1	2587.8	828.5	51.7	3.2	0.0
25°	4297.5	4250.1	4184.4	4024.9	3713.6	3220.2	2612.5	798.3	45.2	2.2	0.0
26°	4326.6	4289.9	4217.8	4063.7	3743.7	3248.2	2615.8	754.1	40.9	1.1	0.0
27°	4370.7	4334.1	4264.1	4098.2	3756.7	3243.9	2596.4	703.5	35.6	0.0	0.0
28°	4437.5	4389.1	4319.0	4134.8	3762.1	3225.5	2553.3	648.6	30.2	0.0	0.0
29°	4514.0	4464.5	4388.0	4183.3	3763.1	3188.9	2485.4	588.2	26.9	0.0	0.0
30°	4595.9	4552.8	4475.3	4230.7	3775.0	3141.5	2406.8	523.6	21.5	0.0	0.0
31°	4660.6	4621.8	4538.8	4273.8	3784.7	3100.6	2309.8	458.9	18.3	0.0	0.0
32°	4716.6	4682.1	4579.8	4283.5	3765.3	3042.4	2206.4	396.5	15.1	0.0	0.0
33°	4755.4	4712.3	4592.7	4258.7	3709.3	2946.5	2091.1	337.2	11.9	0.0	0.0
34°	4769.4	4717.7	4573.3	4194.1	3596.1	2801.1	1941.4	275.8	9.7	0.0	0.0
35°	4754.3	4690.7	4503.3	4083.1	3443.2	2627.6	1761.4	213.3	7.5	0.0	0.0
36°	4705.8	4625.0	4403.1	3924.7	3224.5	2422.9	1581.5	165.9	5.4	0.0	0.0
37°	4601.3	4511.9	4231.8	3715.7	3007.9	2188.1	1376.8	129.3	3.2	0.0	0.0
38°	4473.1	4343.8	4003.4	3451.8	2727.8	1924.1	1174.3	106.7	2.2	0.0	0.0
39°	4254.4	4112.2	3731.9	3148.0	2453.1	1673.1	977.1	92.7	1.1	0.0	0.0
40°	3990.5	3821.3	3421.6	2822.6	2128.8	1410.2	815.5	77.6	1.1	0.0	0.0
42.5°	3010.1	2866.8	2436.9	1919.8	1301.4	831.7	452.5	50.6	0.0	0.0	0.0
45°	1881.0	1731.3	1440.4	1052.6	704.6	430.9	217.6	29.1	0.0	0.0	0.0
47.5°	768.1	704.6	579.6	446.0	318.9	202.5	90.5	12.9	0.0	0.0	0.0
50°	263.9	234.9	197.2	144.4	102.3	70.0	47.4	3.2	0.0	0.0	0.0
52.5°	76.5	77.6	67.9	58.2	45.2	32.3	23.7	0.0	0.0	0.0	0.0
55°	14.0	11.9	14.0	12.9	14.0	11.9	8.6	0.0	0.0	1.1	0.0
57.5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2	1.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.2	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.2	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.2	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.2	1.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.2	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.2	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.2	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):

	135°	157.5°	180°
0°	61.4	61.4	61.4
2.5°	39.9	35.6	33.4
5°	22.6	17.2	16.2
7.5°	11.9	7.5	6.5
10°	4.3	1.1	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)