

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: P1324044

Luminaire Tested: LDSQA3D17R309030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324044
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309030D2WDE010 3LSQCA30R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

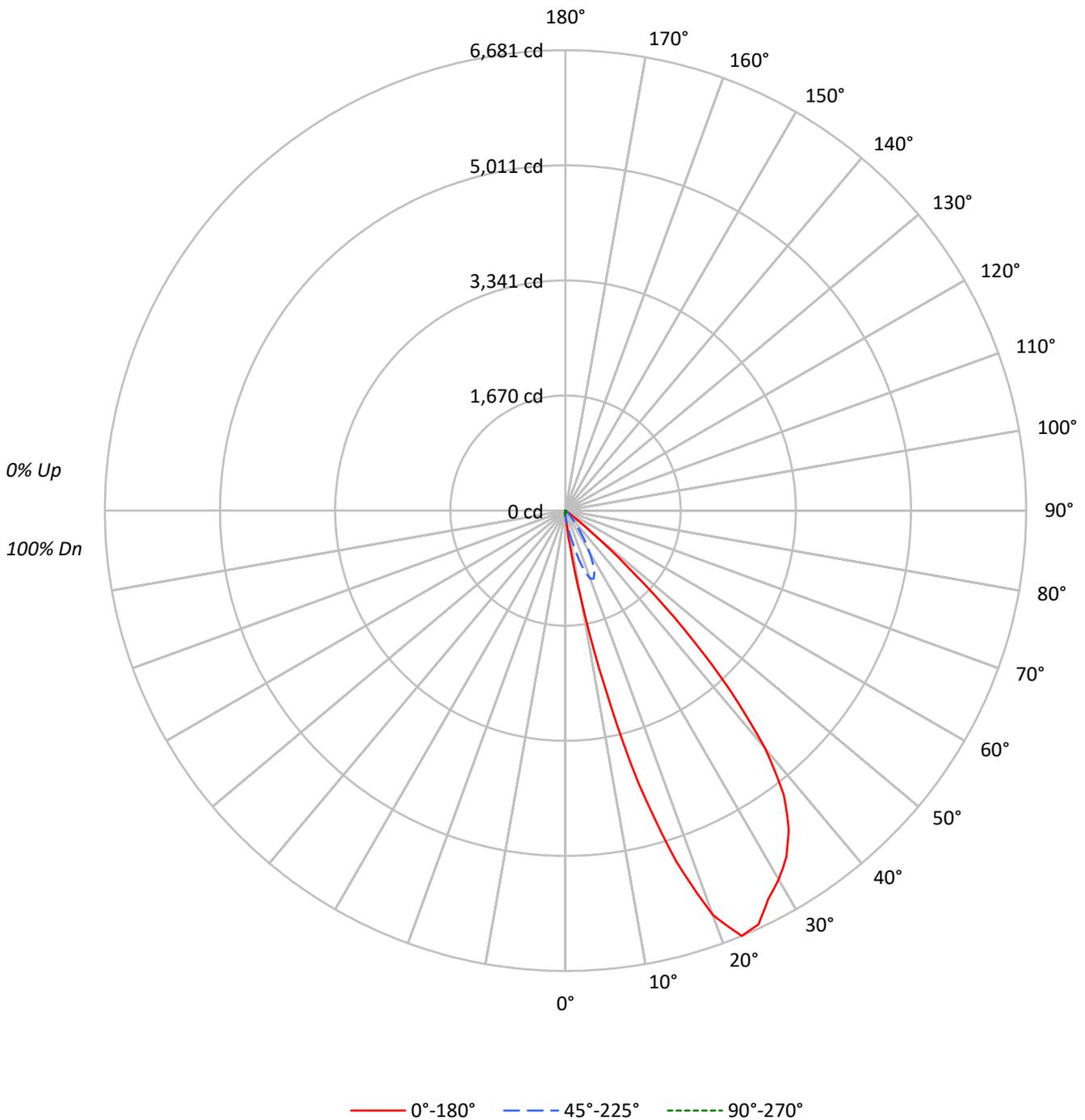
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1575.0 lumens
Efficiency: N/A
Efficacy: 57.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.3
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	0
RW	70	50	30	10	70	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
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	69	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	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12882	12882	12882	12882	12882
5°	38812	25880	12188	5480	4478
10°	224755	54860	9566	2518	1766
15°	731075	124452	6668	517	250
20°	1143969	192549	4215	0	0
25°	1258566	188164	2185	0	0
30°	1229248	135666	855	0	0
35°	1186434	77160	294	0	0
40°	1011761	32689	0	0	0
45°	593798	12275	341	0	341
50°	144227	2304	375	375	1152
55°	12521	0	871	1291	1742
60°	482	0	999	1481	2480
65°	571	571	1752	1752	2934
70°	705	705	2165	2165	2921
75°	0	932	2861	2861	2861
80°	0	1389	4265	2876	2876
85°	0	2766	8497	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 593798 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	0.9
10°-20°	216.5	13.7
20°-30°	550.1	34.9
30°-40°	548.3	34.8
40°-50°	222.1	14.1
50°-60°	15.4	1.0
60°-70°	3.5	0.2
70°-80°	3.5	0.2
80°-90°	2.0	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°	780.3	49.5
0°-40°	1328.6	84.4
0°-60°	1566.1	99.4
0°-90°	1575.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1575.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	75	75	75	75	75	
5°	224	150	70	32	26	52
15°	4100	698	37	3	1	1193
25°	6623	990	12	0	0	2990
35°	5643	367	1	0	0	3459
45°	2438	50	1	0	1	1860
55°	42	0	3	4	6	109
65°	1	1	4	4	7	1
75°	0	1	4	4	4	1
85°	0	1	4	1	1	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
2.5°	123.8	125.2	125.2	122.3	120.9	120.9	116.6	115.1	110.8	106.5	92.1
5°	224.5	220.2	214.4	214.4	201.5	194.3	184.2	172.7	164.1	149.7	106.5
7.5°	509.5	474.9	464.9	451.9	403.0	364.1	319.5	280.6	244.7	214.4	118.0
10°	1285.2	1217.6	1161.4	1047.7	905.3	768.5	641.9	495.1	394.3	313.7	126.6
12.5°	2589.1	2498.4	2390.5	2183.3	1917.0	1575.9	1273.7	951.3	667.8	462.0	129.5
15°	4100.3	3946.3	3777.9	3514.5	3078.4	2589.1	2043.6	1529.9	1072.2	698.0	126.6
17.5°	5332.2	5271.8	5022.8	4663.0	4129.0	3498.7	2826.6	2124.2	1446.4	913.9	118.0
20°	6241.8	6200.0	5899.2	5516.4	4914.8	4192.4	3338.9	2495.6	1706.9	1050.6	105.1
22.5°	6680.7	6673.5	6456.2	6064.7	5427.2	4608.3	3668.5	2710.0	1787.5	1069.3	87.8
25°	6623.1	6649.1	6525.3	6234.6	5622.9	4779.5	3766.4	2710.0	1728.5	990.2	73.4
27.5°	6361.2	6378.5	6300.8	6077.7	5507.8	4655.8	3629.6	2535.9	1557.2	850.6	60.4
30°	6181.3	6188.5	6092.1	5853.2	5248.7	4373.7	3307.3	2213.5	1298.1	682.2	44.6
32.5°	5962.6	5961.1	5848.9	5575.4	4909.1	3977.9	2898.5	1829.2	997.4	518.1	25.9
35°	5643.1	5607.1	5454.5	5139.3	4402.5	3445.4	2376.1	1393.1	718.2	367.0	15.8
37.5°	5204.1	5110.6	4894.7	4473.0	3691.5	2701.4	1761.6	978.6	490.8	243.2	10.1
40°	4500.3	4401.0	4107.4	3595.1	2792.0	1944.3	1187.3	637.6	309.4	145.4	5.8
42.5°	3528.9	3461.3	3065.5	2554.6	1843.6	1240.6	713.8	377.1	174.1	83.5	1.4
45°	2438.0	2350.2	2039.3	1606.1	1106.7	687.9	400.1	197.2	99.3	50.4	0.0
47.5°	1345.6	1237.7	1057.8	831.9	557.0	361.2	201.5	106.5	56.1	24.5	0.0
50°	538.3	533.9	424.6	302.2	213.0	164.1	100.7	57.6	28.8	8.6	1.4
52.5°	188.5	188.5	162.6	132.4	103.6	74.8	50.4	27.3	10.1	2.9	1.4
55°	41.7	46.1	43.2	40.3	38.9	33.1	21.6	10.1	2.9	0.0	1.4
57.5°	4.3	4.3	4.3	5.8	7.2	7.2	5.8	2.9	0.0	0.0	1.4
60°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	2.9
62.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4	2.9
65°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9
67.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3
75°	0.0	0.0	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4	4.3
77.5°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	2.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.9
82.5°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	2.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.9
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):

	90°	112.5°	135°	157.5°	180°
0°	74.8	74.8	74.8	74.8	74.8
2.5°	74.8	59.0	48.9	43.2	41.7
5°	70.5	44.6	31.7	27.3	25.9
7.5°	63.3	33.1	21.6	17.3	15.8
10°	54.7	24.5	14.4	10.1	10.1
12.5°	46.1	18.7	8.6	4.3	2.9
15°	37.4	11.5	2.9	1.4	1.4
17.5°	28.8	7.2	0.0	0.0	0.0
20°	23.0	2.9	0.0	0.0	0.0
22.5°	17.3	1.4	0.0	0.0	0.0
25°	11.5	0.0	0.0	0.0	0.0
27.5°	7.2	0.0	0.0	0.0	0.0
30°	4.3	0.0	0.0	0.0	0.0
32.5°	1.4	0.0	0.0	0.0	0.0
35°	1.4	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	1.4	0.0	0.0	1.4	1.4
47.5°	1.4	1.4	1.4	2.9	2.9
50°	1.4	1.4	1.4	2.9	4.3
52.5°	2.9	1.4	2.9	4.3	4.3
55°	2.9	2.9	4.3	5.8	5.8
57.5°	2.9	2.9	4.3	5.8	5.8
60°	2.9	2.9	4.3	5.8	7.2
62.5°	4.3	4.3	4.3	5.8	5.8
65°	4.3	4.3	4.3	5.8	7.2
67.5°	4.3	4.3	4.3	5.8	7.2
70°	4.3	4.3	4.3	5.8	5.8
72.5°	5.8	4.3	4.3	5.8	5.8
75°	4.3	4.3	4.3	4.3	4.3
77.5°	4.3	4.3	2.9	4.3	4.3
80°	4.3	2.9	2.9	2.9	2.9
82.5°	4.3	2.9	2.9	2.9	2.9
85°	4.3	2.9	1.4	1.4	1.4
87.5°	4.3	2.9	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)