

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: P1309397

Luminaire Tested: LDSQA3D17R309030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309397
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: LDSQA3D17R309030DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

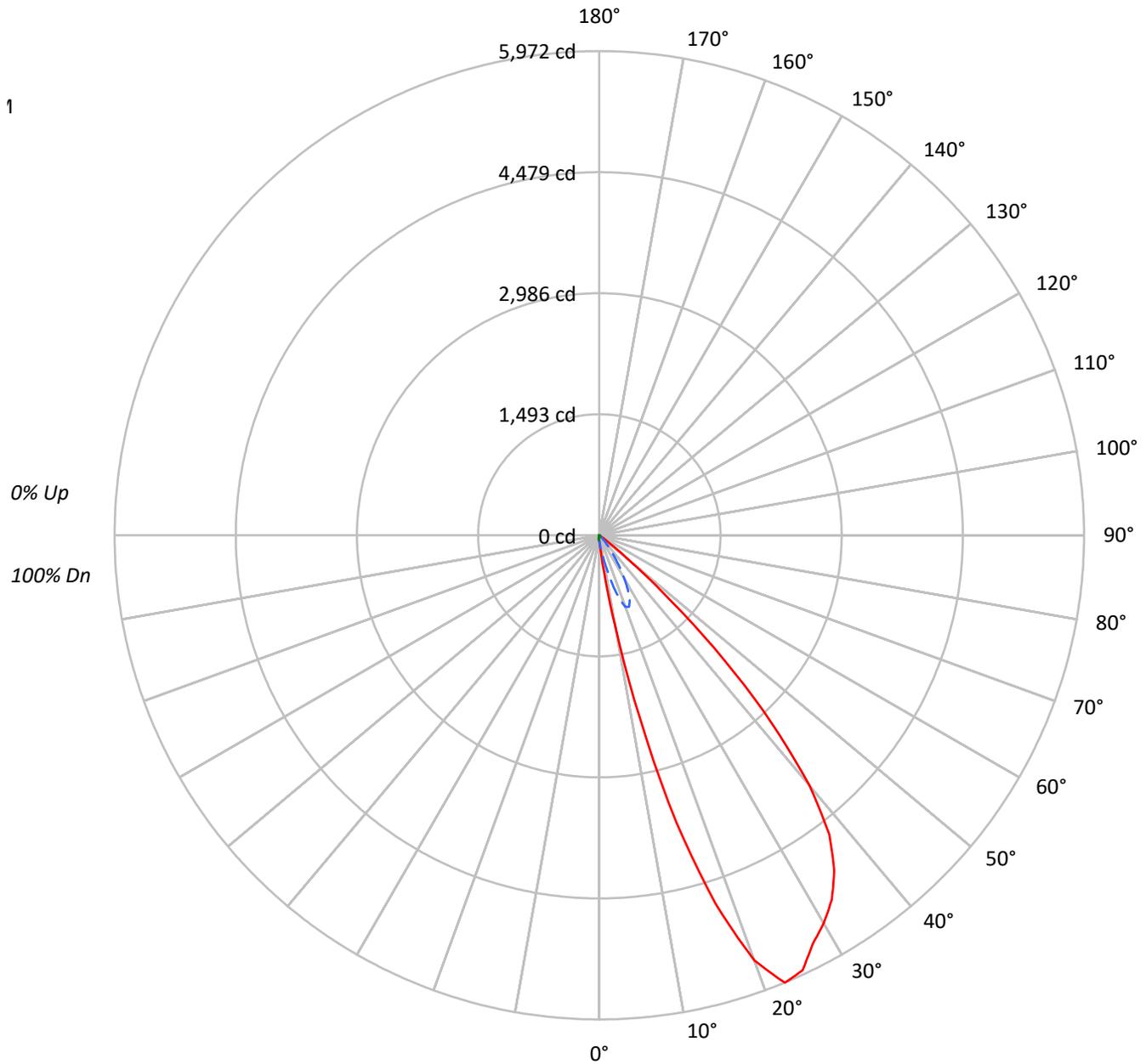
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1408.1 lumens
Efficiency: N/A
Efficacy: 66.4 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): 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

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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				
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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	71	66	63	61
6	81	71	64	58	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	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	52	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	11522	11522	11522	11522	11522
5°	34697	23131	10891	4893	4011
10°	200919	49054	8552	2256	1574
15°	653551	111258	5973	464	232
20°	1022659	172132	3775	0	0
25°	1125129	168212	1957	0	0
30°	1098911	121268	776	0	0
35°	1060623	68981	273	0	0
40°	904499	29204	0	0	0
45°	530838	10960	317	0	317
50°	128928	2063	348	348	1045
55°	11200	0	781	1171	1531
60°	448	0	896	1343	2204
65°	530	530	1589	1589	2608
70°	655	655	1964	1964	2568
75°	0	865	2595	2595	2595
80°	0	1289	3868	2579	2579
85°	0	2569	7707	2569	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 530838 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	0.9
10°-20°	193.5	13.7
20°-30°	491.8	34.9
30°-40°	490.2	34.8
40°-50°	198.6	14.1
50°-60°	13.7	1.0
60°-70°	3.1	0.2
70°-80°	3.1	0.2
80°-90°	1.8	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°	697.6	49.5
0°-40°	1187.7	84.4
0°-60°	1400.0	99.4
0°-90°	1408.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1408.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	67	67	67	67	67	
5°	201	134	63	28	23	47
15°	3666	624	34	3	1	1067
25°	5921	885	10	0	0	2673
35°	5045	328	1	0	0	3092
45°	2180	45	1	0	1	1663
55°	37	0	3	4	5	98
65°	1	1	4	4	6	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°	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
2.5°	110.6	111.9	111.9	109.4	108.1	108.1	104.2	102.9	99.1	95.2	82.3
5°	200.7	196.8	191.7	191.7	180.1	173.7	164.7	154.4	146.7	133.8	95.2
7.5°	455.5	424.6	415.6	404.0	360.2	325.5	285.6	250.9	218.7	191.7	105.5
10°	1148.9	1088.5	1038.3	936.6	809.3	687.0	573.8	442.6	352.5	280.5	113.2
12.5°	2314.6	2233.5	2137.0	1951.8	1713.7	1408.8	1138.6	850.4	597.0	413.0	115.8
15°	3665.5	3527.8	3377.3	3141.9	2752.0	2314.6	1827.0	1367.6	958.5	624.0	113.2
17.5°	4766.8	4712.8	4490.2	4168.6	3691.2	3127.7	2526.9	1899.0	1293.0	817.0	105.5
20°	5579.9	5542.6	5273.7	4931.5	4393.7	3747.8	2984.9	2230.9	1525.9	939.2	93.9
22.5°	5972.3	5965.9	5771.6	5421.7	4851.7	4119.7	3279.5	2422.6	1597.9	955.9	78.5
25°	5920.9	5944.0	5833.4	5573.5	5026.7	4272.8	3367.0	2422.6	1545.2	885.2	65.6
27.5°	5686.7	5702.2	5632.7	5433.3	4923.8	4162.1	3244.8	2267.0	1392.1	760.4	54.0
30°	5525.9	5532.3	5446.1	5232.6	4692.2	3909.9	2956.6	1978.8	1160.5	609.8	39.9
32.5°	5330.3	5329.1	5228.7	4984.2	4388.6	3556.1	2591.2	1635.3	891.6	463.2	23.2
35°	5044.7	5012.6	4876.2	4594.4	3935.7	3080.1	2124.2	1245.4	642.0	328.1	14.2
37.5°	4652.3	4568.7	4375.7	3998.7	3300.1	2414.9	1574.8	874.9	438.7	217.4	9.0
40°	4023.2	3934.4	3671.9	3213.9	2496.0	1738.2	1061.4	570.0	276.6	129.9	5.1
42.5°	3154.7	3094.2	2740.4	2283.7	1648.1	1109.0	638.1	337.1	155.7	74.6	1.3
45°	2179.5	2101.0	1823.1	1435.8	989.4	615.0	357.7	176.3	88.8	45.0	0.0
47.5°	1203.0	1106.5	945.6	743.6	497.9	322.9	180.1	95.2	50.2	21.9	0.0
50°	481.2	477.3	379.5	270.2	190.4	146.7	90.1	51.5	25.7	7.7	1.3
52.5°	168.5	168.5	145.4	118.4	92.6	66.9	45.0	24.4	9.0	2.6	1.3
55°	37.3	41.2	38.6	36.0	34.7	29.6	19.3	9.0	2.6	0.0	1.3
57.5°	3.9	3.9	3.9	5.1	6.4	6.4	5.1	2.6	0.0	0.0	1.3
60°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	2.6
62.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	1.3	1.3	2.6
65°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
67.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	3.9
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	3.9
75°	0.0	0.0	1.3	1.3	0.0	1.3	1.3	1.3	1.3	1.3	3.9
77.5°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	2.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	2.6
82.5°	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	2.6
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°	66.9	66.9	66.9	66.9	66.9
2.5°	66.9	52.8	43.7	38.6	37.3
5°	63.0	39.9	28.3	24.4	23.2
7.5°	56.6	29.6	19.3	15.4	14.2
10°	48.9	21.9	12.9	9.0	9.0
12.5°	41.2	16.7	7.7	3.9	2.6
15°	33.5	10.3	2.6	1.3	1.3
17.5°	25.7	6.4	0.0	0.0	0.0
20°	20.6	2.6	0.0	0.0	0.0
22.5°	15.4	1.3	0.0	0.0	0.0
25°	10.3	0.0	0.0	0.0	0.0
27.5°	6.4	0.0	0.0	0.0	0.0
30°	3.9	0.0	0.0	0.0	0.0
32.5°	1.3	0.0	0.0	0.0	0.0
35°	1.3	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°	1.3	0.0	0.0	1.3	1.3
47.5°	1.3	1.3	1.3	2.6	2.6
50°	1.3	1.3	1.3	2.6	3.9
52.5°	2.6	1.3	2.6	3.9	3.9
55°	2.6	2.6	3.9	5.1	5.1
57.5°	2.6	2.6	3.9	5.1	5.1
60°	2.6	2.6	3.9	5.1	6.4
62.5°	3.9	3.9	3.9	5.1	5.1
65°	3.9	3.9	3.9	5.1	6.4
67.5°	3.9	3.9	3.9	5.1	6.4
70°	3.9	3.9	3.9	5.1	5.1
72.5°	5.1	3.9	3.9	5.1	5.1
75°	3.9	3.9	3.9	3.9	3.9
77.5°	3.9	3.9	2.6	3.9	3.9
80°	3.9	2.6	2.6	2.6	2.6
82.5°	3.9	2.6	2.6	2.6	2.6
85°	3.9	2.6	1.3	1.3	1.3
87.5°	3.9	2.6	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)