

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: P1310190

Luminaire Tested: LDSQA3D09R309035DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310190
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: LDSQA3D09R309035DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

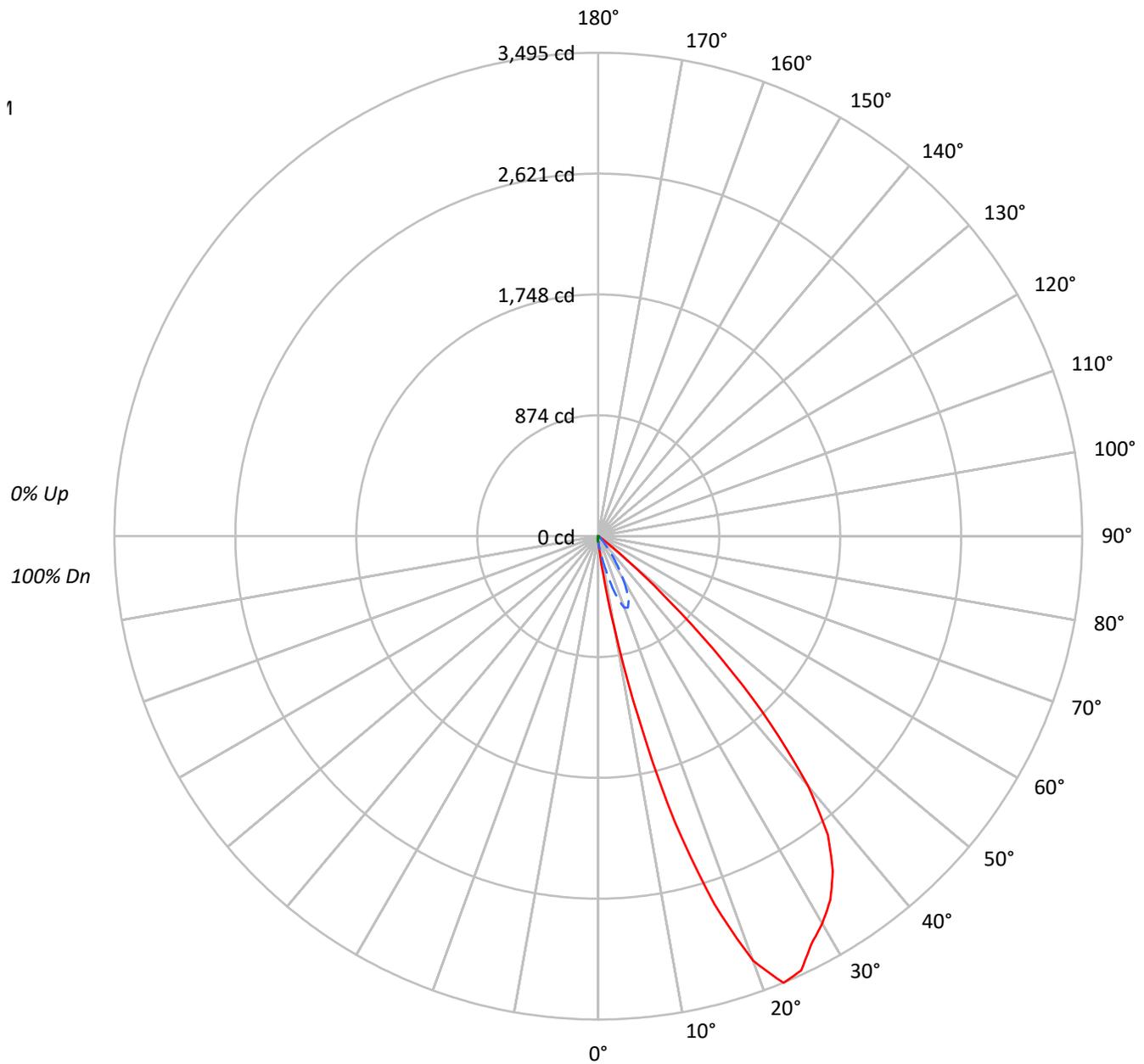
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 824.1 lumens
Efficiency: N/A
Efficacy: 74.2 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): 11.1
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

TEST NUMBER: P1310190
CATALOG NUMBER: LDSQA3D09R309035DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot



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



TEST NUMBER: P1310190

CATALOG NUMBER: LDSQA3D09R309035DE010 3LSQCA30R 1MW

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	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	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83					83			
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	75					75			
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68					68			
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61					61			
6	81	71	64	58	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	48	58	52	47	57	51	47	56	51	47	45					45			
9	66	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41					41			
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37					37			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6751	6751	6751	6751	6751
5°	20313	13537	6379	2870	2351
10°	117589	28698	5002	1312	927
15°	382467	65114	3495	267	143
20°	598486	100747	2199	0	0
25°	658461	98434	1140	0	0
30°	643111	70975	457	0	0
35°	620706	40367	168	0	0
40°	529340	17086	0	0	0
45°	310660	6430	195	0	195
50°	75449	1206	214	214	616
55°	6546	0	450	691	901
60°	276	0	517	792	1309
65°	326	326	937	937	1549
70°	403	403	1158	1158	1511
75°	0	532	1530	1530	1530
80°	0	793	2281	1488	1488
85°	0	1581	4545	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 310660 cd/sqm



TEST NUMBER: P1310190

CATALOG NUMBER: LDSQA3D09R309035DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.9
10°-20°	113.3	13.7
20°-30°	287.8	34.9
30°-40°	286.9	34.8
40°-50°	116.2	14.1
50°-60°	8.0	1.0
60°-70°	1.8	0.2
70°-80°	1.8	0.2
80°-90°	1.1	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°	408.2	49.5
0°-40°	695.1	84.3
0°-60°	819.4	99.4
0°-90°	824.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	824.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	39	39	39	39	39	
5°	118	78	37	17	14	27
15°	2145	365	20	2	1	624
25°	3465	518	6	0	0	1565
35°	2952	192	1	0	0	1810
45°	1276	26	1	0	1	973
55°	22	0	2	2	3	57
65°	1	1	2	2	4	1
75°	0	1	2	2	2	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	



TEST NUMBER: P1310190

CATALOG NUMBER: LDSQA3D09R309035DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
2.5°	64.8	65.5	65.5	64.0	63.2	63.2	61.0	60.2	58.0	55.7	48.2
5°	117.5	115.2	112.2	112.2	105.4	101.6	96.4	90.4	85.8	78.3	55.7
7.5°	266.5	248.5	243.2	236.4	210.8	190.5	167.2	146.8	128.0	112.2	61.7
10°	672.4	637.0	607.6	548.1	473.6	402.1	335.8	259.0	206.3	164.1	66.3
12.5°	1354.6	1307.1	1250.6	1142.2	1002.9	824.5	666.4	497.7	349.4	241.7	67.8
15°	2145.1	2064.6	1976.5	1838.7	1610.6	1354.6	1069.2	800.4	560.9	365.2	66.3
17.5°	2789.7	2758.0	2627.8	2439.5	2160.2	1830.4	1478.8	1111.4	756.7	478.1	61.7
20°	3265.5	3243.7	3086.3	2886.0	2571.3	2193.3	1746.8	1305.6	893.0	549.7	55.0
22.5°	3495.2	3491.4	3377.7	3172.9	2839.4	2410.9	1919.3	1417.8	935.2	559.4	45.9
25°	3465.1	3478.6	3413.9	3261.8	2941.8	2500.5	1970.5	1417.8	904.3	518.0	38.4
27.5°	3328.0	3337.1	3296.4	3179.7	2881.5	2435.8	1898.9	1326.7	814.7	445.0	31.6
30°	3233.9	3237.7	3187.2	3062.2	2746.0	2288.2	1730.3	1158.0	679.2	356.9	23.3
32.5°	3119.5	3118.7	3060.0	2916.9	2568.3	2081.1	1516.4	957.0	521.8	271.1	13.6
35°	2952.3	2933.5	2853.7	2688.8	2303.3	1802.6	1243.1	728.9	375.7	192.0	8.3
37.5°	2722.7	2673.7	2560.8	2340.2	1931.3	1413.3	921.6	512.0	256.8	127.2	5.3
40°	2354.5	2302.5	2148.9	1880.9	1460.7	1017.2	621.2	333.6	161.9	76.0	3.0
42.5°	1846.2	1810.8	1603.8	1336.5	964.5	649.0	373.5	197.3	91.1	43.7	0.8
45°	1275.5	1229.6	1066.9	840.3	579.0	359.9	209.3	103.2	52.0	26.4	0.0
47.5°	704.0	647.5	553.4	435.2	291.4	189.0	105.4	55.7	29.4	12.8	0.0
50°	281.6	279.3	222.1	158.1	111.4	85.8	52.7	30.1	15.1	4.5	0.8
52.5°	98.6	98.6	85.1	69.3	54.2	39.2	26.4	14.3	5.3	1.5	0.8
55°	21.8	24.1	22.6	21.1	20.3	17.3	11.3	5.3	1.5	0.0	0.8
57.5°	2.3	2.3	2.3	3.0	3.8	3.8	3.0	1.5	0.0	0.0	0.8
60°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	1.5
62.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	1.5
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3
75°	0.0	0.0	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8	2.3
77.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1310190

CATALOG NUMBER: LDSQA3D09R309035DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	39.2	39.2	39.2	39.2	39.2
2.5°	39.2	30.9	25.6	22.6	21.8
5°	36.9	23.3	16.6	14.3	13.6
7.5°	33.1	17.3	11.3	9.0	8.3
10°	28.6	12.8	7.5	5.3	5.3
12.5°	24.1	9.8	4.5	2.3	1.5
15°	19.6	6.0	1.5	0.8	0.8
17.5°	15.1	3.8	0.0	0.0	0.0
20°	12.0	1.5	0.0	0.0	0.0
22.5°	9.0	0.8	0.0	0.0	0.0
25°	6.0	0.0	0.0	0.0	0.0
27.5°	3.8	0.0	0.0	0.0	0.0
30°	2.3	0.0	0.0	0.0	0.0
32.5°	0.8	0.0	0.0	0.0	0.0
35°	0.8	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°	0.8	0.0	0.0	0.8	0.8
47.5°	0.8	0.8	0.8	1.5	1.5
50°	0.8	0.8	0.8	1.5	2.3
52.5°	1.5	0.8	1.5	2.3	2.3
55°	1.5	1.5	2.3	3.0	3.0
57.5°	1.5	1.5	2.3	3.0	3.0
60°	1.5	1.5	2.3	3.0	3.8
62.5°	2.3	2.3	2.3	3.0	3.0
65°	2.3	2.3	2.3	3.0	3.8
67.5°	2.3	2.3	2.3	3.0	3.8
70°	2.3	2.3	2.3	3.0	3.0
72.5°	3.0	2.3	2.3	3.0	3.0
75°	2.3	2.3	2.3	2.3	2.3
77.5°	2.3	2.3	1.5	2.3	2.3
80°	2.3	1.5	1.5	1.5	1.5
82.5°	2.3	1.5	1.5	1.5	1.5
85°	2.3	1.5	0.8	0.8	0.8
87.5°	2.3	1.5	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)