

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: P1316419

Luminaire Tested: LDSQA3D09R309740DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316419
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: LDSQA3D09R309740DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

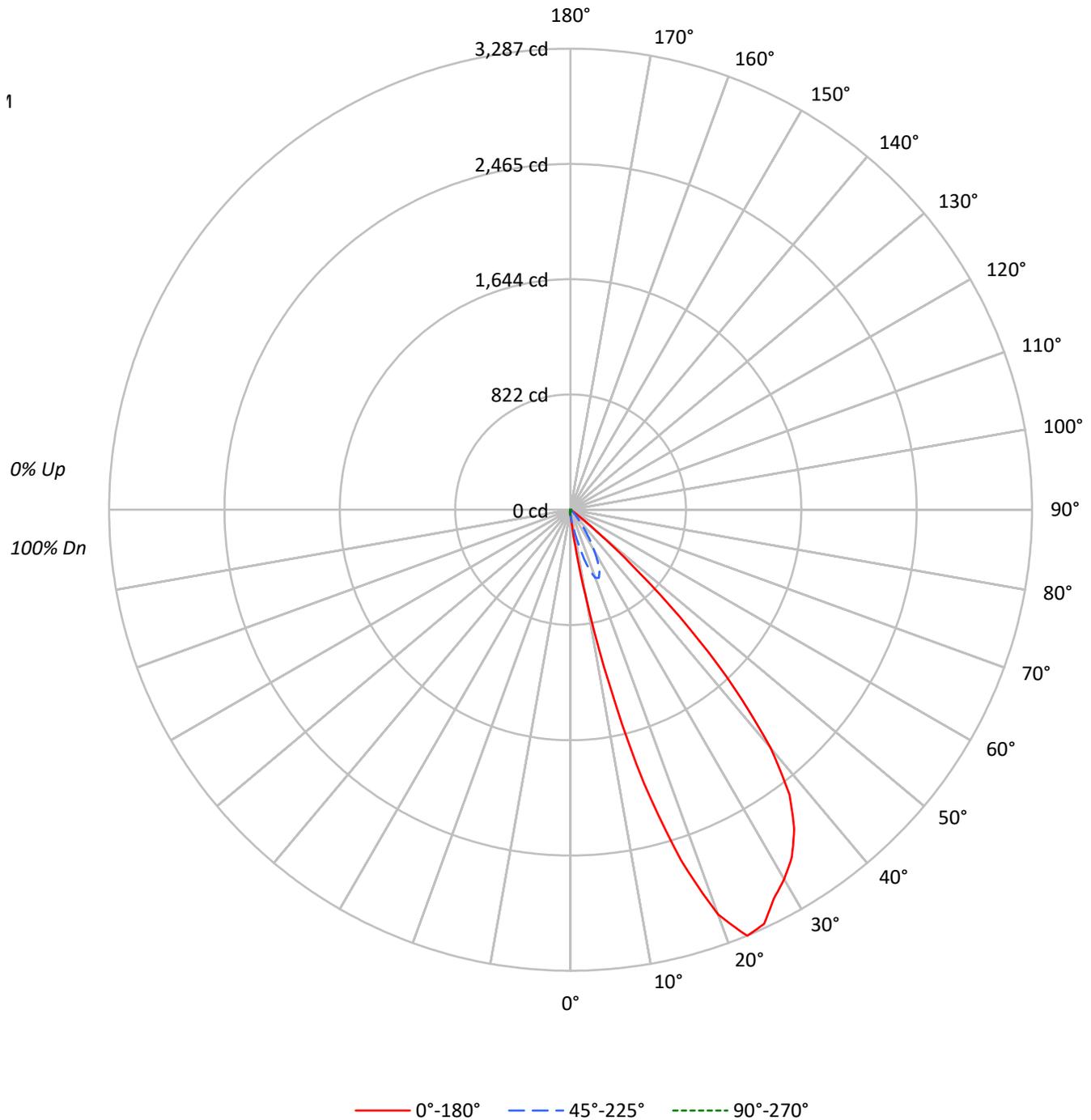
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 774.9 lumens
Efficiency: N/A
Efficacy: 69.8 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 (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

TEST NUMBER: P1316419
CATALOG NUMBER: LDSQA3D09R309740DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1316419

CATALOG NUMBER: LDSQA3D09R309740DE010 3LSQCA30R 1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	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	88	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	67	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°	6338	6338	6338	6338	6338
5°	19103	12724	5999	2697	2196
10°	110594	27001	4704	1242	874
15°	359734	61245	3281	250	125
20°	562894	94753	2071	0	0
25°	619297	92581	1083	0	0
30°	604870	66759	418	0	0
35°	583787	37970	147	0	0
40°	497865	16075	0	0	0
45°	292174	6040	170	0	170
50°	70975	1125	188	188	563
55°	6155	0	420	631	841
60°	241	0	482	723	1206
65°	285	285	856	856	1426
70°	352	352	1057	1057	1410
75°	0	466	1397	1397	1397
80°	0	694	2083	1389	1389
85°	0	1383	4150	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 292174 cd/sqm



TEST NUMBER: P1316419

CATALOG NUMBER: LDSQA3D09R309740DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	0.9
10°-20°	106.5	13.7
20°-30°	270.7	34.9
30°-40°	269.8	34.8
40°-50°	109.3	14.1
50°-60°	7.5	1.0
60°-70°	1.7	0.2
70°-80°	1.7	0.2
80°-90°	1.0	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°	384.0	49.5
0°-40°	653.8	84.4
0°-60°	770.6	99.4
0°-90°	774.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	774.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	37	37	37	37	37	
5°	110	74	35	16	13	26
15°	2018	344	18	1	1	587
25°	3259	487	6	0	0	1471
35°	2777	181	1	0	0	1702
45°	1200	25	1	0	1	915
55°	20	0	1	2	3	54
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: P1316419

CATALOG NUMBER: LDSQA3D09R309740DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
2.5°	60.9	61.6	61.6	60.2	59.5	59.5	57.4	56.7	54.5	52.4	45.3
5°	110.5	108.4	105.5	105.5	99.1	95.6	90.6	85.0	80.7	73.6	52.4
7.5°	250.7	233.7	228.7	222.4	198.3	179.2	157.2	138.1	120.4	105.5	58.1
10°	632.4	599.1	571.5	515.5	445.4	378.2	315.8	243.6	194.0	154.4	62.3
12.5°	1274.0	1229.4	1176.3	1074.3	943.3	775.4	626.7	468.1	328.6	227.3	63.7
15°	2017.6	1941.8	1859.0	1729.4	1514.8	1274.0	1005.6	752.8	527.6	343.5	62.3
17.5°	2623.8	2594.0	2471.5	2294.5	2031.7	1721.6	1390.9	1045.3	711.7	449.7	58.1
20°	3071.3	3050.8	2902.8	2714.4	2418.4	2062.9	1643.0	1228.0	839.9	517.0	51.7
22.5°	3287.3	3283.8	3176.9	2984.2	2670.5	2267.6	1805.1	1333.5	879.6	526.2	43.2
25°	3259.0	3271.8	3210.9	3067.8	2766.8	2351.8	1853.3	1333.5	850.5	487.2	36.1
27.5°	3130.1	3138.6	3100.4	2990.6	2710.2	2290.9	1786.0	1247.8	766.2	418.5	29.7
30°	3041.6	3045.1	2997.7	2880.1	2582.7	2152.1	1627.4	1089.2	638.8	335.7	22.0
32.5°	2934.0	2933.3	2878.0	2743.5	2415.6	1957.4	1426.3	900.1	490.8	254.9	12.7
35°	2776.7	2759.0	2684.0	2528.9	2166.3	1695.4	1169.2	685.5	353.4	180.6	7.8
37.5°	2560.8	2514.7	2408.5	2201.0	1816.5	1329.2	866.8	481.6	241.5	119.7	5.0
40°	2214.5	2165.6	2021.1	1769.0	1373.9	956.7	584.2	313.7	152.3	71.5	2.8
42.5°	1736.4	1703.2	1508.4	1257.0	907.2	610.4	351.3	185.5	85.7	41.1	0.7
45°	1199.6	1156.4	1003.5	790.3	544.6	338.5	196.9	97.0	48.9	24.8	0.0
47.5°	662.1	609.0	520.5	409.3	274.1	177.8	99.1	52.4	27.6	12.0	0.0
50°	264.9	262.7	208.9	148.7	104.8	80.7	49.6	28.3	14.2	4.2	0.7
52.5°	92.8	92.8	80.0	65.2	51.0	36.8	24.8	13.5	5.0	1.4	0.7
55°	20.5	22.7	21.2	19.8	19.1	16.3	10.6	5.0	1.4	0.0	0.7
57.5°	2.1	2.1	2.1	2.8	3.5	3.5	2.8	1.4	0.0	0.0	0.7
60°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.4
62.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7	1.4
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1
75°	0.0	0.0	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	2.1
77.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4
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: P1316419
 CATALOG NUMBER: LDSQA3D09R309740DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	36.8	36.8	36.8	36.8	36.8
2.5°	36.8	29.0	24.1	21.2	20.5
5°	34.7	22.0	15.6	13.5	12.7
7.5°	31.2	16.3	10.6	8.5	7.8
10°	26.9	12.0	7.1	5.0	5.0
12.5°	22.7	9.2	4.2	2.1	1.4
15°	18.4	5.7	1.4	0.7	0.7
17.5°	14.2	3.5	0.0	0.0	0.0
20°	11.3	1.4	0.0	0.0	0.0
22.5°	8.5	0.7	0.0	0.0	0.0
25°	5.7	0.0	0.0	0.0	0.0
27.5°	3.5	0.0	0.0	0.0	0.0
30°	2.1	0.0	0.0	0.0	0.0
32.5°	0.7	0.0	0.0	0.0	0.0
35°	0.7	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°	0.7	0.0	0.0	0.7	0.7
47.5°	0.7	0.7	0.7	1.4	1.4
50°	0.7	0.7	0.7	1.4	2.1
52.5°	1.4	0.7	1.4	2.1	2.1
55°	1.4	1.4	2.1	2.8	2.8
57.5°	1.4	1.4	2.1	2.8	2.8
60°	1.4	1.4	2.1	2.8	3.5
62.5°	2.1	2.1	2.1	2.8	2.8
65°	2.1	2.1	2.1	2.8	3.5
67.5°	2.1	2.1	2.1	2.8	3.5
70°	2.1	2.1	2.1	2.8	2.8
72.5°	2.8	2.1	2.1	2.8	2.8
75°	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	1.4	2.1	2.1
80°	2.1	1.4	1.4	1.4	1.4
82.5°	2.1	1.4	1.4	1.4	1.4
85°	2.1	1.4	0.7	0.7	0.7
87.5°	2.1	1.4	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)