

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: P1312455

Luminaire Tested: LDSQA3D09R609050DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312455
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R609050DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

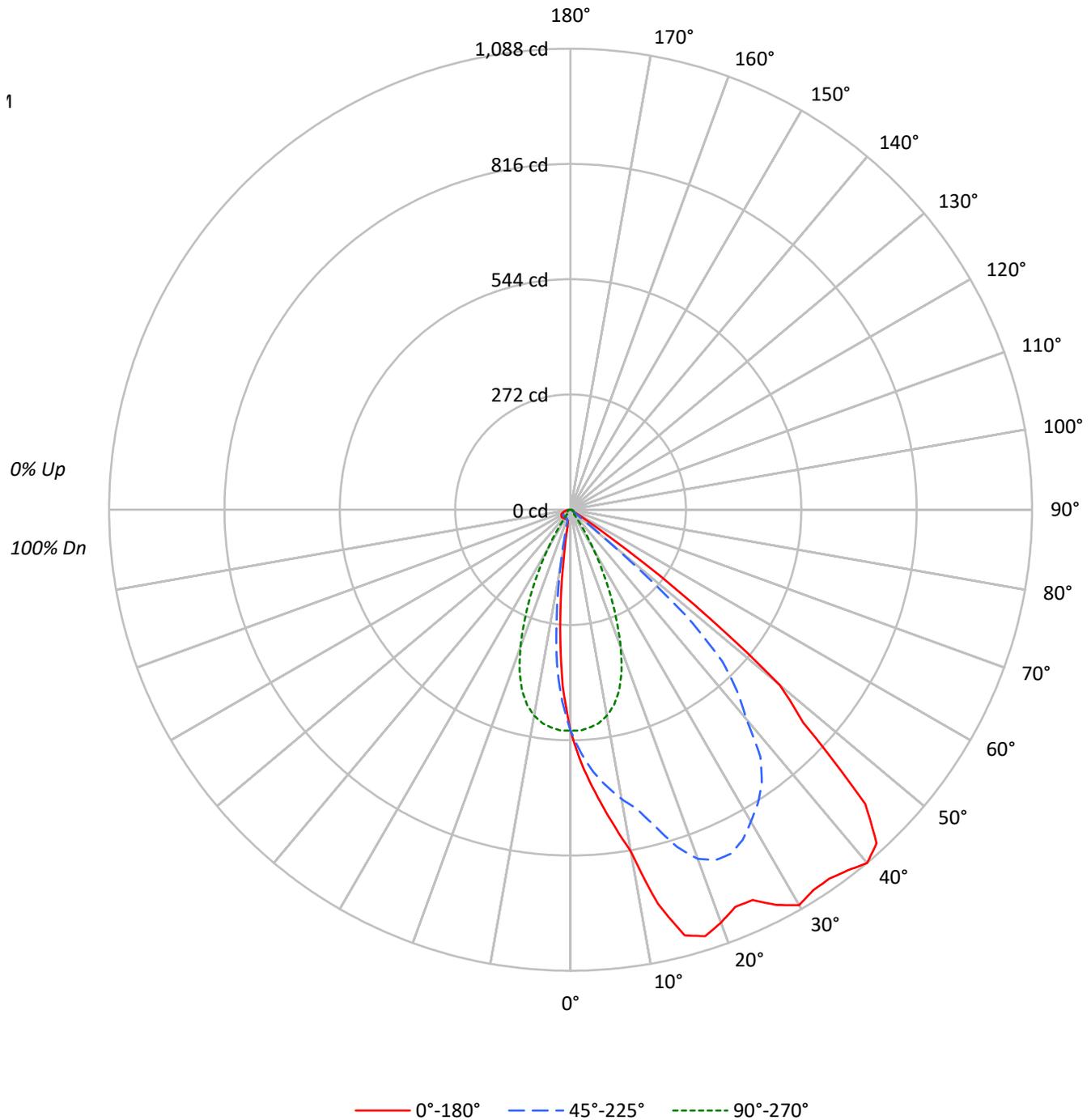
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 846.1 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
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: P1312455
CATALOG NUMBER: LDSQA3D09R609050DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1312455

CATALOG NUMBER: LDSQA3D09R609050DE010 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90	90	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81	81	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72	72	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65	65	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58	58	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52	52	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47	47	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43	43	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39	39	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36	36	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	89694	89694	89694	89694	89694
5°	115847	107566	89206	63516	48476
10°	143174	121244	86320	24028	7118
15°	185412	138003	78754	5278	4707
20°	190020	160733	63377	4399	4545
25°	193067	170150	42490	4257	4561
30°	214278	168996	21915	4295	4773
35°	223511	165232	6055	4541	5214
40°	244582	144919	2878	4856	5755
45°	239273	123144	2923	5261	6430
50°	172494	30383	3215	5787	7073
55°	33089	1922	3363	6245	7927
60°	1653	1929	3307	6613	8542
65°	1630	1956	3260	6846	9128
70°	1611	2014	3223	6848	9265
75°	1597	2129	3194	6920	9582
80°	793	2380	3174	7141	9521
85°	1581	1581	3162	6323	9485

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 239273 cd/sqm



TEST NUMBER: P1312455

CATALOG NUMBER: LDSQA3D09R609050DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.3	5.4
10°-20°	125.0	14.8
20°-30°	192.5	22.7
30°-40°	225.8	26.7
40°-50°	181.1	21.4
50°-60°	56.2	6.6
60°-70°	10.6	1.3
70°-80°	7.1	0.8
80°-90°	2.5	0.3
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°	362.8	42.9
0°-40°	588.6	69.6
0°-60°	825.9	97.6
0°-90°	846.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	846.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	521	521	521	521	521	
5°	670	622	516	367	280	68
15°	1040	774	442	30	26	285
25°	1016	895	224	22	24	480
35°	1063	786	29	22	25	673
45°	982	506	12	22	26	703
55°	110	6	11	21	26	174
65°	4	5	8	17	22	4
75°	2	3	5	10	14	2
85°	1	1	2	3	5	1
90°	0	0	0	0	0	



TEST NUMBER: P1312455

CATALOG NUMBER: LDSQA3D09R609050DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	520.8	520.8	520.8	520.8	520.8	520.8	520.8	520.8	520.8	520.8	520.8
2.5°	600.6	594.3	594.3	591.9	589.5	590.3	583.9	586.3	579.9	575.1	571.1
5°	670.1	662.1	661.3	657.4	653.4	650.2	642.2	637.4	627.8	622.2	610.2
7.5°	742.0	735.6	731.6	726.8	719.7	711.7	698.1	689.3	674.1	659.0	643.8
10°	818.7	813.1	804.3	798.7	778.8	766.0	747.6	735.6	713.3	693.3	670.1
12.5°	952.9	949.7	932.9	921.7	893.0	867.4	827.5	795.5	755.6	722.8	691.7
15°	1039.9	1036.0	1027.2	1016.8	998.4	969.7	933.7	889.0	833.1	774.0	721.3
17.5°	1055.1	1055.9	1050.3	1047.9	1036.0	1017.6	988.8	955.3	899.4	833.9	762.0
20°	1036.8	1043.1	1041.5	1046.3	1048.7	1041.5	1022.4	989.6	940.9	877.0	796.3
22.5°	1014.4	1020.0	1018.4	1027.2	1040.7	1047.9	1041.5	1015.2	965.7	894.6	815.5
25°	1016.0	1020.0	1008.0	1013.6	1031.2	1048.7	1049.5	1026.4	972.9	895.4	813.9
27.5°	1051.1	1039.1	1012.0	1009.6	1031.2	1053.5	1055.1	1026.4	962.5	878.6	797.9
30°	1077.5	1068.7	1038.3	1034.4	1055.1	1070.3	1062.3	1017.6	937.7	849.8	774.8
32.5°	1064.7	1066.3	1053.5	1066.3	1093.5	1099.9	1066.3	996.8	903.4	821.9	747.6
35°	1063.1	1069.5	1076.7	1096.7	1115.0	1099.9	1046.3	957.7	866.6	785.9	705.3
37.5°	1072.7	1083.1	1093.5	1111.0	1111.0	1071.9	993.6	908.2	822.7	734.8	617.4
40°	1087.9	1094.3	1097.5	1095.9	1074.3	1016.8	933.7	848.3	766.8	644.6	559.1
42.5°	1067.9	1067.1	1063.9	1050.3	1010.4	935.3	857.8	788.3	659.8	581.5	484.0
45°	982.4	982.4	973.7	952.1	915.3	853.0	784.4	682.9	601.4	505.6	359.4
47.5°	743.6	738.0	747.6	760.4	760.4	754.8	692.5	604.6	521.6	365.0	115.0
50°	643.8	635.0	623.0	625.4	623.8	630.2	590.3	524.0	385.8	113.4	8.0
52.5°	364.2	380.2	419.3	474.4	499.2	508.0	483.2	398.6	130.2	7.2	6.4
55°	110.2	113.4	128.6	158.1	214.9	274.8	278.8	129.4	8.8	6.4	6.4
57.5°	4.8	4.8	6.4	9.6	22.4	33.5	35.9	8.0	5.6	6.4	6.4
60°	4.8	4.8	4.8	4.8	4.8	4.8	5.6	5.6	5.6	5.6	6.4
62.5°	4.0	4.0	4.8	4.8	4.8	4.8	4.8	4.8	5.6	5.6	5.6
65°	4.0	4.0	4.0	4.0	4.0	4.0	4.8	4.8	4.8	4.8	5.6
67.5°	3.2	3.2	3.2	4.0	4.0	4.0	4.0	4.0	4.8	4.8	4.8
70°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.0	4.0	4.0	4.0
72.5°	2.4	2.4	2.4	2.4	2.4	3.2	3.2	3.2	3.2	3.2	4.0
75°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.2	3.2	3.2	3.2
77.5°	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.4
80°	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
87.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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: P1312455

CATALOG NUMBER: LDSQA3D09R609050DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	520.8	520.8	520.8	520.8	520.8	520.8	520.8	520.8
2.5°	565.5	559.1	551.9	521.6	492.0	452.1	424.9	416.9
5°	599.8	589.5	573.5	516.0	446.5	367.4	303.5	280.4
7.5°	628.6	612.6	590.3	508.0	392.2	249.2	160.5	135.8
10°	649.4	629.4	600.6	493.6	320.3	137.4	54.3	40.7
12.5°	666.9	640.6	606.2	472.0	233.2	55.9	28.0	28.0
15°	678.9	647.0	608.6	441.7	151.0	29.6	26.4	26.4
17.5°	695.7	654.2	608.6	399.4	82.3	25.6	25.6	25.6
20°	722.8	661.3	599.8	345.8	45.5	24.0	24.8	24.8
22.5°	737.2	671.7	588.7	283.5	28.8	23.2	24.0	24.0
25°	740.4	670.1	564.7	223.6	23.2	22.4	23.2	24.0
27.5°	729.2	659.0	532.8	162.9	20.8	21.6	23.2	24.0
30°	709.3	631.8	481.6	110.2	19.2	21.6	23.2	24.0
32.5°	671.7	566.3	421.7	66.3	18.4	21.6	23.2	24.8
35°	587.9	497.6	353.0	28.8	17.6	21.6	24.0	24.8
37.5°	527.2	428.9	273.2	14.4	17.6	21.6	24.0	25.6
40°	460.1	345.1	126.2	12.8	17.6	21.6	24.0	25.6
42.5°	350.6	159.7	15.2	12.8	16.8	21.6	24.8	25.6
45°	127.8	16.8	8.0	12.0	16.8	21.6	24.8	26.4
47.5°	9.6	6.4	7.2	12.0	16.8	21.6	24.8	26.4
50°	6.4	6.4	7.2	12.0	16.8	21.6	24.8	26.4
52.5°	6.4	7.2	7.2	11.2	16.0	21.6	24.8	26.4
55°	6.4	7.2	7.2	11.2	16.0	20.8	24.8	26.4
57.5°	6.4	6.4	7.2	10.4	15.2	20.0	24.8	25.6
60°	6.4	6.4	7.2	9.6	14.4	19.2	23.2	24.8
62.5°	6.4	6.4	6.4	8.8	13.6	18.4	22.4	24.0
65°	5.6	5.6	6.4	8.0	12.0	16.8	20.8	22.4
67.5°	4.8	5.6	5.6	7.2	11.2	15.2	19.2	20.8
70°	4.8	4.8	4.8	6.4	9.6	13.6	17.6	18.4
72.5°	4.0	4.0	4.8	5.6	8.8	12.0	16.0	16.8
75°	3.2	4.0	4.0	4.8	7.2	10.4	13.6	14.4
77.5°	3.2	3.2	3.2	4.0	6.4	8.8	11.2	12.0
80°	2.4	2.4	2.4	3.2	4.8	7.2	8.8	9.6
82.5°	1.6	2.4	2.4	2.4	4.0	4.8	6.4	7.2
85°	1.6	1.6	1.6	1.6	2.4	3.2	4.0	4.8
87.5°	0.8	0.8	1.6	1.6	1.6	1.6	1.6	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)