

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: P1309010

Luminaire Tested: LDSQA3D05R709030DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R709030DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

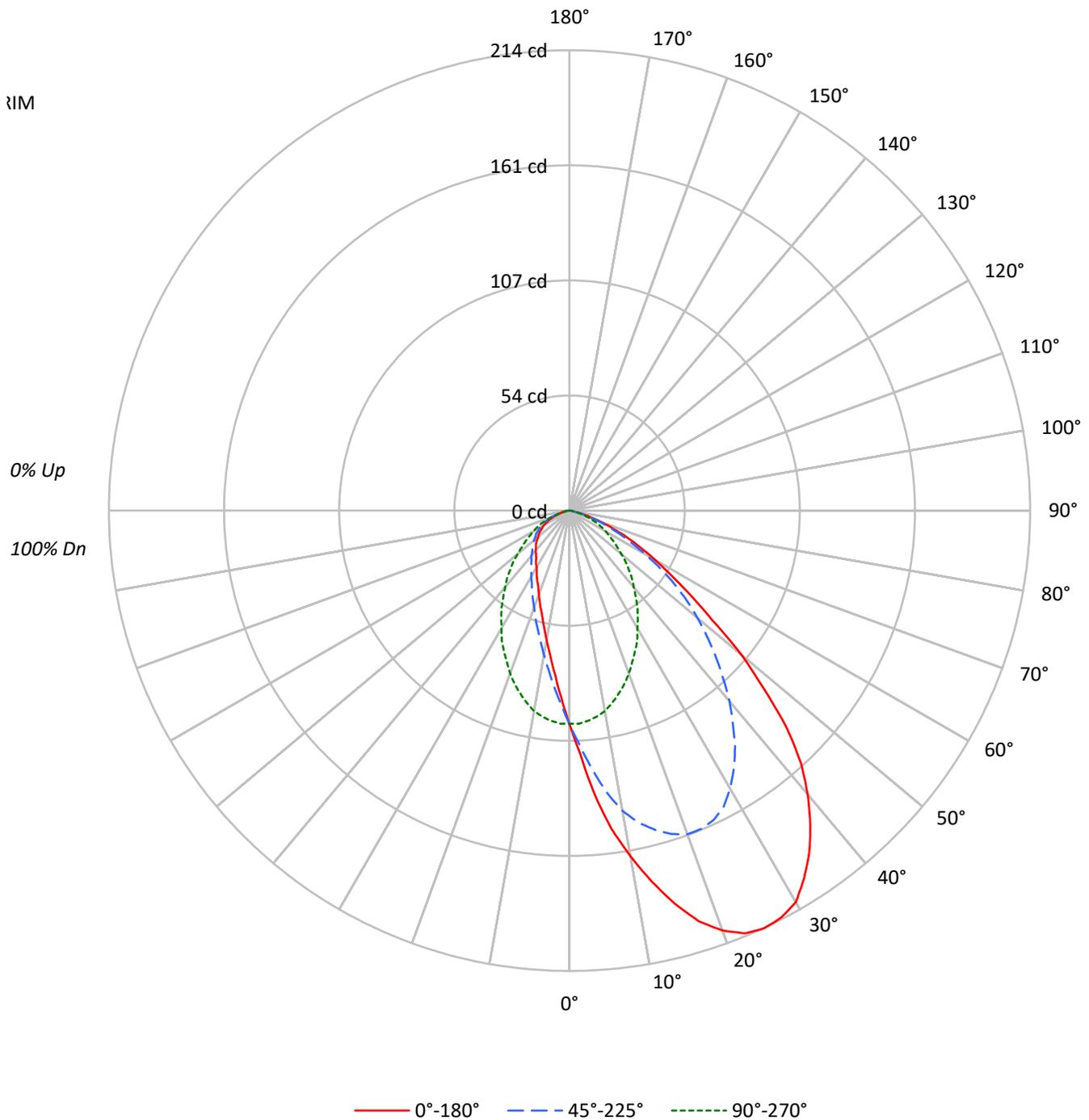
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 241.9 lumens
Efficiency: N/A
Efficacy: 33.6 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1309010
CATALOG NUMBER: LDSQA3D05R709030DE010 3LSQCLSWWR 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1309010

CATALOG NUMBER: LDSQA3D05R709030DE010 3LSQCLSWWR 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	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	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	84	81	78	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	75	71	68	66
4	87	76	68	63	85	75	68	62	73	66	61	70	65	60	68	64	60	68	64	60	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	62	57	53	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	57	51	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	52	46	42	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	48	42	38	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	44	39	35	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	17067	17067	17067	17067	17067
5°	22838	20849	16960	14193	13243
10°	28523	24763	16544	11909	10685
15°	33734	27387	15708	10163	8826
20°	38066	29342	14772	8797	7606
25°	40704	30138	13701	7791	6746
30°	41802	29651	12548	7060	6065
35°	40830	28194	11563	6518	5677
40°	38692	25989	10454	6183	5508
45°	34732	23406	9499	5967	5358
50°	27892	20791	8440	5761	5091
55°	20598	17866	7507	5705	4954
60°	15844	13950	6717	5511	4822
65°	12022	10392	5909	5094	4279
70°	8057	7301	4532	4532	3525
75°	4325	4325	2994	2994	2662
80°	992	1984	1488	1984	2479
85°	0	988	988	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 34732 cd/sqm



TEST NUMBER: P1309010

CATALOG NUMBER: LDSQA3D05R709030DE010 3LSQCLSWWR 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.8	4.0
10°-20°	29.7	12.3
20°-30°	45.8	18.9
30°-40°	51.9	21.5
40°-50°	47.0	19.4
50°-60°	32.9	13.6
60°-70°	18.1	7.5
70°-80°	6.0	2.5
80°-90°	0.8	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°	85.3	35.2
0°-40°	137.2	56.7
0°-60°	217.1	89.7
0°-90°	241.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	241.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	99	99	99	99	99	
5°	132	121	98	82	77	14
15°	189	154	88	57	50	54
25°	214	159	72	41	36	98
35°	194	134	55	31	27	121
45°	143	96	39	24	22	108
55°	69	60	25	19	16	63
65°	30	26	14	12	10	29
75°	6	6	4	4	4	7
85°	0	0	0	1	1	0
90°	0	0	0	0	0	



TEST NUMBER: P1309010

CATALOG NUMBER: LDSQA3D05R709030DE010 3LSQCLSWWR 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
2.5°	113.1	114.1	114.6	113.6	113.1	112.6	111.6	111.1	110.1	109.1	108.6
5°	132.1	132.1	132.1	131.1	129.6	128.6	126.6	125.1	122.6	120.6	118.6
7.5°	149.1	149.1	148.6	147.1	146.1	143.6	141.1	139.1	135.1	132.1	128.1
10°	163.1	163.1	162.6	160.1	158.6	155.6	153.1	149.6	145.6	141.6	137.1
12.5°	176.6	176.6	174.6	172.6	169.6	165.6	162.1	158.6	153.1	148.6	143.1
15°	189.2	189.2	188.2	184.7	180.6	176.1	171.1	166.1	159.6	153.6	147.6
17.5°	200.2	199.7	198.2	194.2	190.2	184.7	178.6	172.6	164.6	157.6	150.1
20°	207.7	207.7	205.7	201.2	196.7	190.7	184.2	177.1	168.6	160.1	151.1
22.5°	212.7	212.2	210.2	205.7	200.2	194.2	186.7	179.1	169.6	160.1	150.6
25°	214.2	213.7	211.7	206.7	201.2	194.7	186.7	178.6	168.6	158.6	148.1
27.5°	213.2	212.7	210.7	205.2	199.7	192.2	184.2	175.6	165.6	155.1	144.6
30°	210.2	208.7	206.7	201.7	195.7	188.2	179.6	170.1	160.1	149.1	138.6
32.5°	202.7	202.7	200.2	195.2	189.2	181.1	172.6	163.6	152.6	142.1	131.1
35°	194.2	193.7	191.7	186.2	180.6	173.1	164.6	155.1	144.6	134.1	123.6
37.5°	183.7	183.2	181.1	176.1	170.1	163.1	154.1	145.1	135.1	124.6	115.1
40°	172.1	171.1	168.6	164.6	159.6	151.6	143.6	134.6	125.1	115.6	106.1
42.5°	159.1	158.1	156.1	153.1	147.1	140.1	132.6	124.1	115.1	105.6	98.6
45°	142.6	142.6	141.6	138.6	134.1	128.6	120.6	113.1	104.6	96.1	88.6
47.5°	122.1	123.1	122.6	121.1	119.1	114.1	108.6	102.1	94.1	86.6	79.6
50°	104.1	104.6	105.1	104.1	102.6	99.1	95.6	91.6	84.6	77.6	71.1
52.5°	83.6	85.1	85.1	85.6	85.6	84.6	83.6	79.1	75.6	68.6	62.6
55°	68.6	68.6	68.6	69.6	70.1	70.6	69.6	68.6	64.6	59.5	54.0
57.5°	56.0	56.0	57.0	56.5	56.5	57.5	57.5	57.0	54.5	50.0	45.0
60°	46.0	46.0	46.0	46.0	46.5	46.5	46.5	46.5	44.5	40.5	36.5
62.5°	37.0	37.0	37.0	37.5	37.5	37.5	38.0	37.5	35.5	32.5	29.0
65°	29.5	29.0	29.5	29.5	30.0	30.0	30.0	29.5	27.5	25.5	23.0
67.5°	22.0	22.5	22.5	22.5	23.0	23.5	23.0	22.5	21.0	19.0	18.0
70°	16.0	16.5	16.5	16.5	17.0	17.5	17.0	16.5	15.5	14.5	13.5
72.5°	10.5	11.0	11.0	11.5	12.0	12.0	11.5	11.5	11.0	10.0	9.5
75°	6.5	6.5	7.0	7.0	7.5	7.5	7.5	7.0	7.0	6.5	6.5
77.5°	3.0	3.0	3.5	3.5	3.5	4.0	4.0	4.0	4.0	4.0	3.5
80°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	2.0	2.0	2.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P1309010

CATALOG NUMBER: LDSQA3D05R709030DE010 3LSQCLSWWR 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
2.5°	107.6	106.1	104.1	99.1	94.1	90.1	87.6	87.1
5°	116.1	113.6	109.1	98.1	89.1	82.1	78.1	76.6
7.5°	124.6	120.1	113.6	96.6	83.1	74.6	70.1	68.1
10°	131.6	126.1	117.6	94.6	78.1	68.1	62.6	61.1
12.5°	137.1	130.6	120.1	91.6	73.1	62.1	56.5	55.0
15°	140.6	133.6	121.6	88.1	68.1	57.0	51.5	49.5
17.5°	142.1	133.6	121.1	84.6	63.6	52.5	47.0	45.5
20°	142.1	132.6	119.6	80.6	59.0	48.0	43.0	41.5
22.5°	140.6	130.6	116.1	76.1	55.0	44.5	39.5	38.0
25°	137.6	126.6	112.1	72.1	51.0	41.0	36.5	35.5
27.5°	133.1	122.1	107.1	68.1	47.5	38.0	34.0	33.0
30°	127.6	116.6	101.6	63.1	44.0	35.5	32.0	30.5
32.5°	120.6	110.1	95.6	59.0	41.0	33.0	30.0	29.0
35°	113.1	103.6	89.1	55.0	38.0	31.0	28.0	27.0
37.5°	105.6	95.6	83.6	50.5	35.5	29.0	26.5	25.5
40°	97.6	90.1	77.6	46.5	33.5	27.5	25.0	24.5
42.5°	89.6	81.6	69.1	43.0	31.0	25.5	23.5	23.0
45°	80.1	72.6	62.6	39.0	29.0	24.5	22.5	22.0
47.5°	72.1	65.1	56.0	35.5	27.0	23.0	21.0	20.5
50°	64.6	57.5	49.0	31.5	25.0	21.5	20.0	19.0
52.5°	56.0	50.0	42.5	28.0	23.0	20.0	18.5	18.0
55°	48.5	42.5	35.5	25.0	21.0	19.0	17.0	16.5
57.5°	40.0	35.0	30.0	22.0	19.0	17.0	16.0	15.0
60°	32.5	29.0	25.5	19.5	17.0	16.0	14.5	14.0
62.5°	26.5	24.0	21.5	17.0	15.0	14.0	13.0	12.0
65°	21.0	19.5	17.5	14.5	13.0	12.5	11.5	10.5
67.5°	16.5	15.5	14.0	11.5	11.0	10.5	9.5	8.5
70°	12.5	12.0	11.0	9.0	8.5	9.0	8.0	7.0
72.5°	9.0	8.5	8.0	6.5	6.5	6.5	6.0	5.0
75°	6.0	5.5	5.0	4.5	4.5	4.5	4.5	4.0
77.5°	3.5	3.5	3.0	2.5	3.0	3.0	3.5	3.5
80°	1.5	1.5	1.5	1.5	2.0	2.0	2.5	2.5
82.5°	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5
85°	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)