

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: P1316502

Luminaire Tested: LDSQA3D09R709740DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709740DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

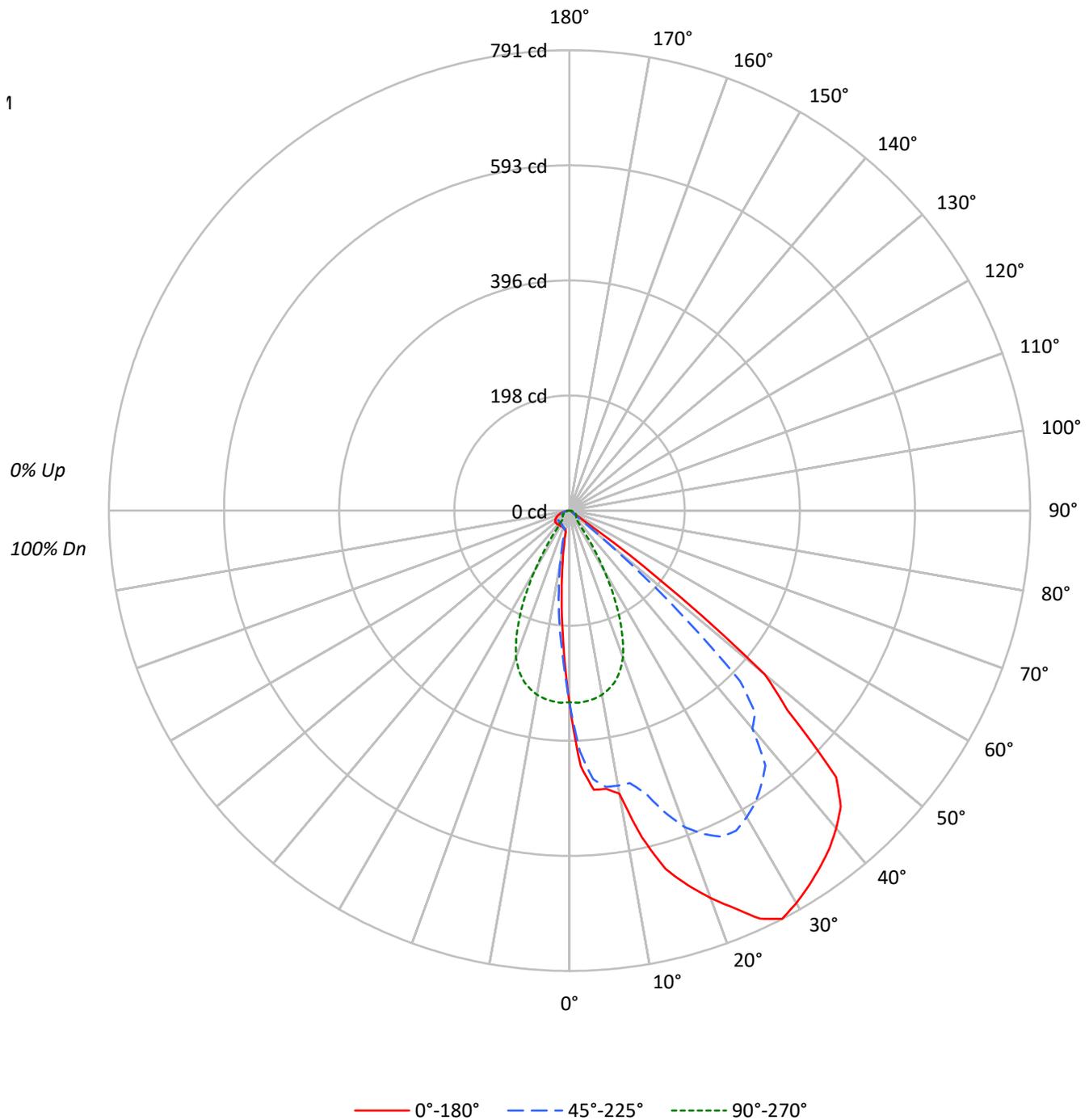
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 625.0 lumens
Efficiency: N/A
Efficacy: 56.3 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 0.89 / 1.39
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: P1316502
CATALOG NUMBER: LDSQA3D09R709740DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1316502

CATALOG NUMBER: LDSQA3D09R709740DE010 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	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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	92	92	92	90	
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	82	82	82	80	
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	73	73	73	71	
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	65	65	65	64	
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	59	59	59	57	
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	53	53	53	51	
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	48	48	48	46	
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42	
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	40	40	40	38	
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	36	36	35	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	56678	56678	56678	56678	56678
5°	83242	80061	56895	33954	26606
10°	86320	83960	56189	16246	6575
15°	113683	89523	54113	5813	5688
20°	129851	106062	49264	5590	5718
25°	147024	117512	38670	5397	5663
30°	154857	121010	23983	5349	6065
35°	157452	120765	7905	5508	6412
40°	160230	109847	3822	5890	7014
45°	157705	100882	3970	6211	7599
50°	117247	18621	3992	6832	8359
55°	9368	2552	4264	7236	8948
60°	1963	2687	4168	7337	9266
65°	2038	2608	4034	7213	9536
70°	1762	2518	3928	6798	9265
75°	1397	2329	3327	6588	8983
80°	1389	2083	3471	6347	8430
85°	1383	2766	4150	5533	6916

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 159605 cd/sqm



TEST NUMBER: P1316502

CATALOG NUMBER: LDSQA3D09R709740DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.0	4.8
10°-20°	84.2	13.5
20°-30°	141.4	22.6
30°-40°	170.0	27.2
40°-50°	134.8	21.6
50°-60°	43.1	6.9
60°-70°	12.1	1.9
70°-80°	7.2	1.1
80°-90°	2.2	0.4
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°	255.6	40.9
0°-40°	425.6	68.1
0°-60°	603.5	96.6
0°-90°	625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	625.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	329	329	329	329	329	
5°	482	463	329	196	154	45
15°	638	502	304	33	32	179
25°	774	618	204	28	30	354
35°	749	574	38	26	30	469
45°	648	414	16	26	31	465
55°	31	8	14	24	30	98
65°	5	6	10	18	23	5
75°	2	4	5	10	14	2
85°	1	1	2	3	4	1
90°	0	0	0	0	0	



TEST NUMBER: P1316502

CATALOG NUMBER: LDSQA3D09R709740DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	329.1	329.1	329.1	329.1	329.1	329.1	329.1	329.1	329.1	329.1	329.1
2.5°	439.0	441.8	441.8	438.3	439.7	434.0	429.8	423.4	422.0	414.2	404.2
5°	481.5	480.1	480.1	477.3	478.7	476.6	474.4	473.0	468.8	463.1	457.4
7.5°	482.2	483.7	484.4	483.7	486.5	484.4	484.4	484.4	481.5	478.7	473.0
10°	493.6	491.5	489.3	484.4	481.5	479.4	479.4	480.1	481.5	480.1	476.6
12.5°	575.1	567.3	563.8	551.7	542.5	526.9	509.2	495.7	483.7	479.4	476.6
15°	637.6	636.1	629.0	617.7	606.4	587.9	567.3	546.8	524.8	502.1	485.8
17.5°	674.4	671.6	664.5	652.4	639.0	622.0	605.6	590.0	568.8	543.2	517.0
20°	708.5	702.1	692.9	678.7	665.2	648.9	631.2	616.3	598.5	578.7	548.2
22.5°	739.0	733.3	718.4	699.3	685.8	670.2	654.6	640.4	624.1	601.4	573.7
25°	773.7	761.0	736.8	712.0	695.7	682.9	671.6	660.2	643.2	618.4	585.8
27.5°	790.7	773.0	746.8	721.9	706.3	692.9	680.8	669.5	650.3	619.8	582.2
30°	778.7	768.8	750.3	731.2	718.4	705.6	691.5	674.4	643.9	608.5	573.7
32.5°	764.5	759.5	751.0	739.7	731.9	719.1	699.3	671.6	629.0	594.3	556.7
35°	748.9	746.8	743.9	739.0	734.0	721.9	697.1	656.7	614.2	574.4	538.3
37.5°	732.6	730.5	732.6	731.9	727.6	712.0	674.4	636.8	592.9	552.5	482.2
40°	712.7	711.3	714.9	718.4	713.4	692.9	652.4	607.1	568.1	488.6	464.5
42.5°	689.3	688.6	695.0	697.8	690.7	660.2	612.7	579.4	497.1	471.6	414.9
45°	647.5	648.9	651.7	655.3	651.0	617.7	574.4	513.4	477.3	414.2	236.2
47.5°	507.1	508.5	522.7	552.5	573.0	561.7	524.8	479.4	426.9	236.9	74.5
50°	437.6	436.1	436.9	443.9	460.3	475.9	464.5	439.7	254.6	69.5	9.2
52.5°	192.2	213.5	236.2	300.0	341.1	384.4	392.9	275.2	83.0	9.2	9.2
55°	31.2	32.6	41.1	60.3	108.5	163.8	198.6	92.2	8.5	8.5	8.5
57.5°	6.4	6.4	6.4	7.1	10.6	22.7	26.2	7.8	7.8	7.8	8.5
60°	5.7	5.7	5.7	5.7	6.4	6.4	6.4	7.1	7.1	7.8	7.8
62.5°	5.7	5.7	5.7	5.7	5.7	5.7	6.4	6.4	7.1	7.1	7.8
65°	5.0	5.0	5.0	5.0	5.7	5.7	5.7	5.7	6.4	6.4	7.1
67.5°	4.3	4.3	4.3	4.3	5.0	5.0	5.0	5.7	5.7	5.7	6.4
70°	3.5	3.5	3.5	3.5	4.3	4.3	4.3	4.3	5.0	5.0	5.0
72.5°	2.8	2.8	2.8	2.8	3.5	3.5	3.5	3.5	4.3	4.3	4.3
75°	2.1	2.1	2.8	2.8	2.8	2.8	2.8	2.8	3.5	3.5	3.5
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.8	2.8	2.8	2.8
80°	1.4	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1
82.5°	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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: P1316502

CATALOG NUMBER: LDSQA3D09R709740DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	329.1	329.1	329.1	329.1	329.1	329.1	329.1	329.1
2.5°	397.9	387.9	374.4	330.5	290.1	253.2	234.7	232.6
5°	448.2	439.0	416.3	329.1	251.8	196.4	163.1	153.9
7.5°	467.4	459.5	439.7	326.2	215.6	141.1	103.5	89.4
10°	472.3	467.4	450.3	321.3	178.0	92.9	48.9	37.6
12.5°	474.4	470.9	454.6	313.5	140.4	48.2	33.3	33.3
15°	478.0	474.4	458.8	303.5	103.5	32.6	31.9	31.9
17.5°	493.6	482.2	464.5	288.6	68.1	31.2	31.2	31.2
20°	519.1	494.3	467.4	268.8	42.6	30.5	30.5	31.2
22.5°	540.4	507.1	466.6	239.0	31.2	29.1	29.8	30.5
25°	549.6	512.7	460.3	203.5	26.9	28.4	29.8	29.8
27.5°	548.2	514.9	454.6	163.1	25.5	27.7	29.1	30.5
30°	540.4	509.2	441.8	120.6	24.1	26.9	29.1	30.5
32.5°	526.9	487.2	416.3	78.0	23.4	26.9	29.1	30.5
35°	483.0	451.7	379.4	37.6	22.7	26.2	29.8	30.5
37.5°	457.4	414.2	289.3	18.4	22.0	26.2	29.8	30.5
40°	416.3	309.2	130.5	17.0	22.0	26.2	29.8	31.2
42.5°	261.7	126.9	21.3	16.3	21.3	26.2	29.8	31.2
45°	95.7	17.0	11.3	16.3	21.3	25.5	29.8	31.2
47.5°	9.9	9.9	10.6	15.6	20.6	25.5	29.8	31.2
50°	9.2	9.9	10.6	14.9	19.9	25.5	29.1	31.2
52.5°	9.2	9.9	10.6	14.9	19.1	24.8	29.1	31.2
55°	9.2	9.9	9.9	14.2	18.4	24.1	28.4	29.8
57.5°	8.5	9.2	9.9	13.5	17.7	22.7	27.7	29.1
60°	8.5	9.2	9.9	12.1	17.0	21.3	26.2	26.9
62.5°	7.8	8.5	9.2	11.3	15.6	19.9	24.1	25.5
65°	7.8	7.8	8.5	9.9	14.2	17.7	22.0	23.4
67.5°	6.4	7.1	7.1	8.5	12.1	15.6	19.9	21.3
70°	5.7	5.7	6.4	7.8	10.6	13.5	17.0	18.4
72.5°	5.0	5.0	5.0	6.4	9.2	12.1	14.9	16.3
75°	4.3	4.3	4.3	5.0	7.8	9.9	12.8	13.5
77.5°	3.5	3.5	3.5	4.3	6.4	8.5	9.9	11.3
80°	2.8	2.8	2.8	3.5	5.0	6.4	7.8	8.5
82.5°	2.1	2.1	2.1	2.8	3.5	4.3	5.7	5.7
85°	1.4	1.4	1.4	2.1	2.1	2.8	3.5	3.5
87.5°	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)