

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: P1314570

Luminaire Tested: LDSQA3D09R709730DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314570
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: LDSQA3D09R709730DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

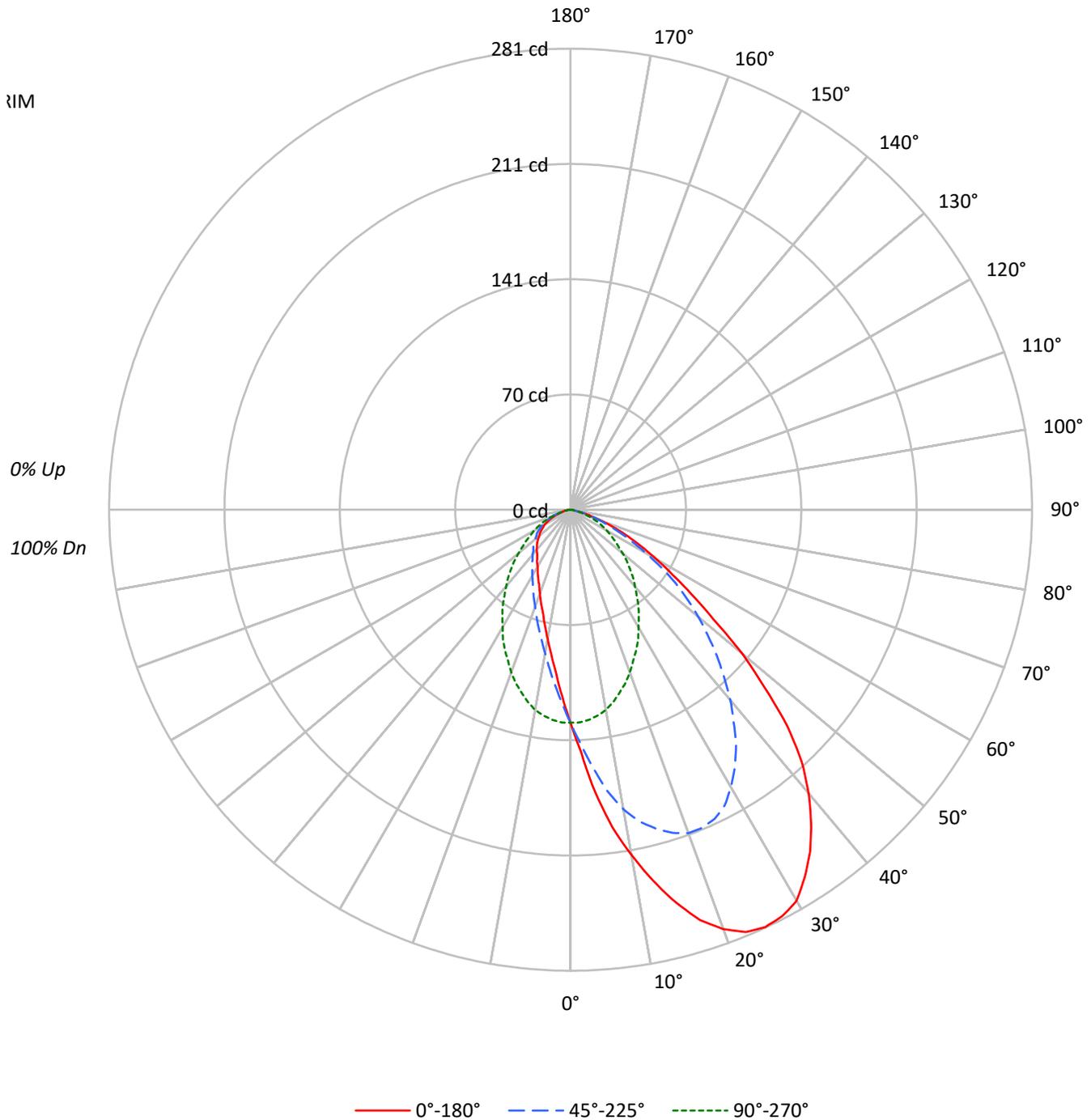
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 317.0 lumens
Efficiency: N/A
Efficacy: 28.6 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): 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

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Luminous Intensity Polar Plot





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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	22354	22354	22354	22354	22354
5°	29926	27315	22215	18585	17340
10°	37372	32440	21668	15582	13990
15°	44182	35874	20576	13319	11572
20°	49851	38451	19336	11528	9970
25°	53321	39488	17939	10223	8836
30°	54748	38838	16426	9247	7955
35°	53465	36940	15159	8536	7443
40°	50697	34038	13714	8116	7217
45°	45497	30664	12446	7818	7015
50°	36519	27222	11066	7556	6671
55°	26963	23420	9849	7476	6486
60°	20770	18290	8818	7233	6338
65°	15771	13611	7743	6683	5624
70°	10574	9567	5942	5942	4633
75°	5656	5656	3926	3926	3460
80°	1289	2579	1984	2579	3273
85°	0	1383	1383	2569	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 45497 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	4.0
10°-20°	38.9	12.3
20°-30°	60.0	18.9
30°-40°	68.0	21.5
40°-50°	61.6	19.4
50°-60°	43.1	13.6
60°-70°	23.7	7.5
70°-80°	7.9	2.5
80°-90°	1.1	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°	111.7	35.2
0°-40°	179.7	56.7
0°-60°	284.4	89.7
0°-90°	317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	317.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	130	130	130	130	130	
5°	173	158	128	108	100	18
15°	248	201	115	75	65	71
25°	281	208	94	54	46	129
35°	254	176	72	41	35	158
45°	187	126	51	32	29	142
55°	90	78	33	25	22	83
65°	39	33	19	16	14	39
75°	8	8	6	6	5	10
85°	0	1	1	1	1	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8
2.5°	148.1	149.5	150.1	148.8	148.1	147.5	146.2	145.5	144.2	142.9	142.2
5°	173.1	173.1	173.1	171.7	169.8	168.5	165.8	163.9	160.6	158.0	155.4
7.5°	195.3	195.3	194.7	192.7	191.4	188.1	184.9	182.2	177.0	173.1	167.8
10°	213.7	213.7	213.0	209.8	207.8	203.9	200.6	196.0	190.7	185.5	179.6
12.5°	231.4	231.4	228.8	226.1	222.2	217.0	212.4	207.8	200.6	194.7	187.5
15°	247.8	247.8	246.5	241.9	236.6	230.7	224.2	217.6	209.1	201.2	193.4
17.5°	262.2	261.5	259.6	254.3	249.1	241.9	234.0	226.1	215.7	206.5	196.6
20°	272.0	272.0	269.4	263.5	257.6	249.7	241.2	232.0	220.9	209.8	198.0
22.5°	278.6	277.9	275.3	269.4	262.2	254.3	244.5	234.7	222.2	209.8	197.3
25°	280.6	279.9	277.3	270.7	263.5	255.0	244.5	234.0	220.9	207.8	194.0
27.5°	279.2	278.6	276.0	268.8	261.5	251.7	241.2	230.1	217.0	203.2	189.4
30°	275.3	273.3	270.7	264.2	256.3	246.5	235.3	222.9	209.8	195.3	181.6
32.5°	265.5	265.5	262.2	255.6	247.8	237.3	226.1	214.3	199.9	186.2	171.7
35°	254.3	253.7	251.1	243.8	236.6	226.8	215.7	203.2	189.4	175.7	161.9
37.5°	240.6	239.9	237.3	230.7	222.9	213.7	201.9	190.1	177.0	163.2	150.8
40°	225.5	224.2	220.9	215.7	209.1	198.6	188.1	176.3	163.9	151.4	139.0
42.5°	208.4	207.1	204.5	200.6	192.7	183.5	173.7	162.6	150.8	138.3	129.1
45°	186.8	186.8	185.5	181.6	175.7	168.5	158.0	148.1	137.0	125.9	116.0
47.5°	159.9	161.3	160.6	158.6	156.0	149.5	142.2	133.7	123.2	113.4	104.2
50°	136.3	137.0	137.7	136.3	134.4	129.8	125.2	120.0	110.8	101.6	93.1
52.5°	109.5	111.4	111.4	112.1	112.1	110.8	109.5	103.6	99.0	89.8	81.9
55°	89.8	89.8	89.8	91.1	91.8	92.4	91.1	89.8	84.6	78.0	70.8
57.5°	73.4	73.4	74.7	74.1	74.1	75.4	75.4	74.7	71.4	65.5	59.0
60°	60.3	60.3	60.3	60.3	61.0	61.0	61.0	61.0	58.3	53.1	47.9
62.5°	48.5	48.5	48.5	49.2	49.2	49.2	49.8	49.2	46.5	42.6	38.0
65°	38.7	38.0	38.7	38.7	39.3	39.3	39.3	38.7	36.1	33.4	30.2
67.5°	28.8	29.5	29.5	29.5	30.2	30.8	30.2	29.5	27.5	24.9	23.6
70°	21.0	21.6	21.6	21.6	22.3	22.9	22.3	21.6	20.3	19.0	17.7
72.5°	13.8	14.4	14.4	15.1	15.7	15.7	15.1	15.1	14.4	13.1	12.5
75°	8.5	8.5	9.2	9.2	9.8	9.8	9.8	9.2	9.2	8.5	8.5
77.5°	3.9	3.9	4.6	4.6	4.6	5.2	5.2	5.2	5.2	5.2	4.6
80°	1.3	1.3	1.3	1.3	1.3	2.0	2.0	2.0	2.6	2.6	2.6
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	129.8	129.8	129.8	129.8	129.8	129.8	129.8	129.8
2.5°	140.9	139.0	136.3	129.8	123.2	118.0	114.7	114.1
5°	152.1	148.8	142.9	128.5	116.7	107.5	102.3	100.3
7.5°	163.2	157.3	148.8	126.5	108.8	97.7	91.8	89.1
10°	172.4	165.2	154.0	123.9	102.3	89.1	81.9	80.0
12.5°	179.6	171.1	157.3	120.0	95.7	81.3	74.1	72.1
15°	184.2	175.0	159.3	115.4	89.1	74.7	67.5	64.9
17.5°	186.2	175.0	158.6	110.8	83.2	68.8	61.6	59.7
20°	186.2	173.7	156.7	105.5	77.3	62.9	56.4	54.4
22.5°	184.2	171.1	152.1	99.6	72.1	58.3	51.8	49.8
25°	180.3	165.8	146.8	94.4	66.9	53.8	47.9	46.5
27.5°	174.4	159.9	140.3	89.1	62.3	49.8	44.6	43.3
30°	167.2	152.7	133.1	82.6	57.7	46.5	42.0	40.0
32.5°	158.0	144.2	125.2	77.3	53.8	43.3	39.3	38.0
35°	148.1	135.7	116.7	72.1	49.8	40.6	36.7	35.4
37.5°	138.3	125.2	109.5	66.2	46.5	38.0	34.7	33.4
40°	127.8	118.0	101.6	61.0	43.9	36.1	32.8	32.1
42.5°	117.3	106.8	90.5	56.4	40.6	33.4	30.8	30.2
45°	104.9	95.0	81.9	51.1	38.0	32.1	29.5	28.8
47.5°	94.4	85.2	73.4	46.5	35.4	30.2	27.5	26.9
50°	84.6	75.4	64.2	41.3	32.8	28.2	26.2	24.9
52.5°	73.4	65.5	55.7	36.7	30.2	26.2	24.3	23.6
55°	63.6	55.7	46.5	32.8	27.5	24.9	22.3	21.6
57.5°	52.4	45.9	39.3	28.8	24.9	22.3	21.0	19.7
60°	42.6	38.0	33.4	25.6	22.3	21.0	19.0	18.4
62.5°	34.7	31.5	28.2	22.3	19.7	18.4	17.0	15.7
65°	27.5	25.6	22.9	19.0	17.0	16.4	15.1	13.8
67.5°	21.6	20.3	18.4	15.1	14.4	13.8	12.5	11.1
70°	16.4	15.7	14.4	11.8	11.1	11.8	10.5	9.2
72.5°	11.8	11.1	10.5	8.5	8.5	8.5	7.9	6.6
75°	7.9	7.2	6.6	5.9	5.9	5.9	5.9	5.2
77.5°	4.6	4.6	3.9	3.3	3.9	3.9	4.6	4.6
80°	2.0	2.0	2.0	2.0	2.6	2.6	3.3	3.3
82.5°	1.3	1.3	1.3	1.3	2.0	2.0	2.0	2.0
85°	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3
87.5°	0.7	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

(END OF REPORT)