

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: P1317569

Luminaire Tested: LDSQA3D13R709827DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317569
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: LDSQA3D13R709827DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

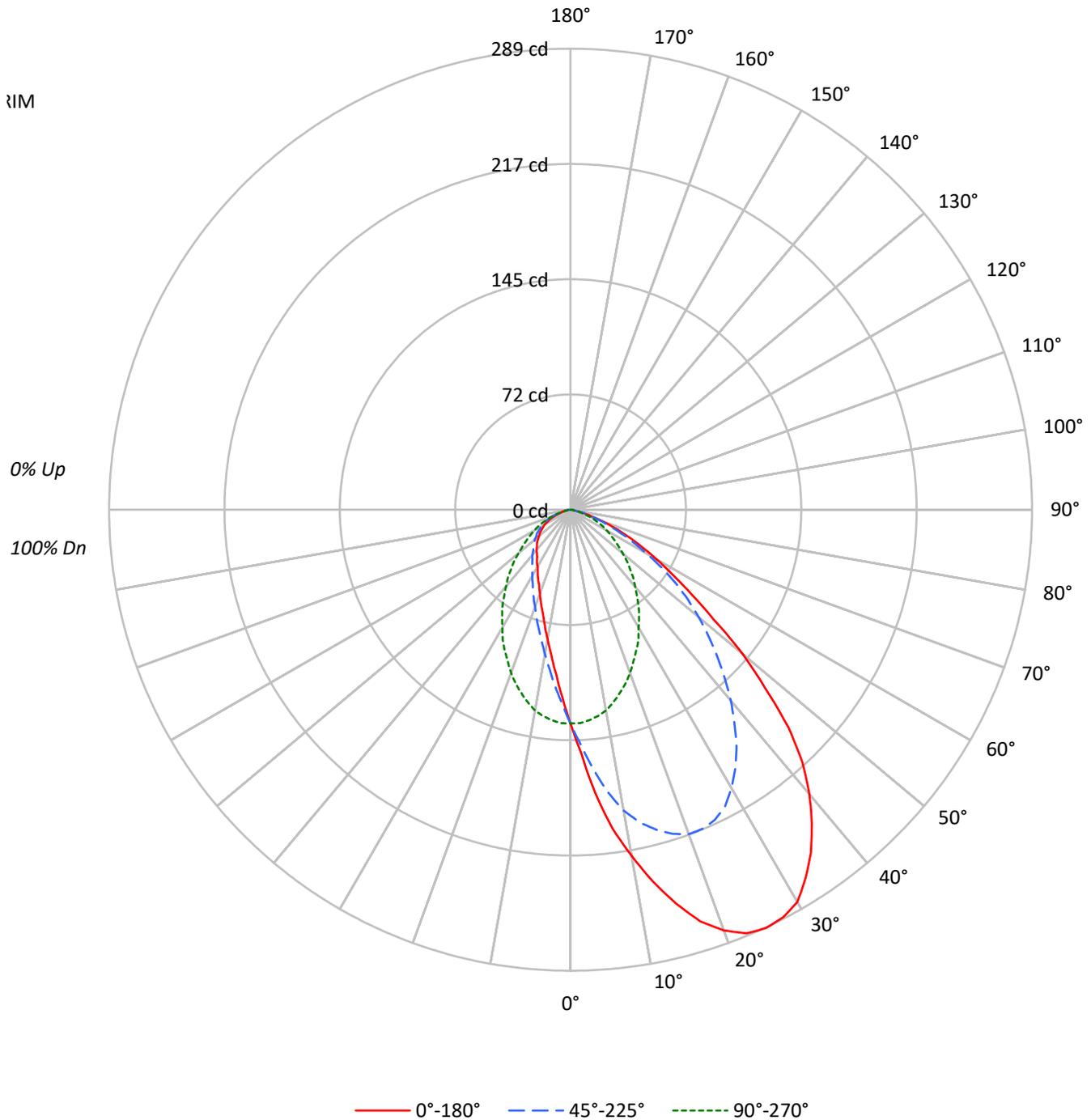
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 327.0 lumens
Efficiency: N/A
Efficacy: 22.6 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): 14.5
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	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	62	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°	23061	23061	23061	23061	23061
5°	30859	28180	22907	19172	17893
10°	38543	33472	22350	16089	14428
15°	45573	37015	21217	13747	11928
20°	51427	39661	19959	11895	10282
25°	54994	40723	18509	10527	9121
30°	56478	40071	16943	9546	8193
35°	55168	38096	15642	8809	7674
40°	52293	35117	14141	8363	7442
45°	46934	31614	12836	8062	7258
50°	37671	28079	11414	7797	6886
55°	27804	24171	10149	7717	6696
60°	21424	18876	9093	7440	6510
65°	16260	14059	7987	6887	5787
70°	10877	9869	6143	6143	4784
75°	5856	5856	4059	4059	3593
80°	1389	2678	1984	2678	3372
85°	0	1383	1383	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 46934 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	4.0
10°-20°	40.1	12.3
20°-30°	61.9	18.9
30°-40°	70.2	21.5
40°-50°	63.5	19.4
50°-60°	44.4	13.6
60°-70°	24.4	7.5
70°-80°	8.2	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°	115.2	35.2
0°-40°	185.4	56.7
0°-60°	293.3	89.7
0°-90°	327.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	327.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	134	134	134	134	134	
5°	178	163	132	111	104	18
15°	256	208	119	77	67	73
25°	289	214	97	55	48	133
35°	262	181	74	42	36	163
45°	193	130	53	33	30	146
55°	93	80	34	26	22	85
65°	40	34	20	17	14	40
75°	9	9	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°	133.9	133.9	133.9	133.9	133.9	133.9	133.9	133.9	133.9	133.9	133.9
2.5°	152.8	154.2	154.8	153.5	152.8	152.1	150.8	150.1	148.8	147.4	146.7
5°	178.5	178.5	178.5	177.2	175.1	173.8	171.1	169.0	165.7	163.0	160.3
7.5°	201.5	201.5	200.8	198.8	197.4	194.1	190.7	188.0	182.6	178.5	173.1
10°	220.4	220.4	219.8	216.4	214.3	210.3	206.9	202.2	196.8	191.4	185.3
12.5°	238.7	238.7	236.0	233.3	229.2	223.8	219.1	214.3	206.9	200.8	193.4
15°	255.6	255.6	254.2	249.5	244.1	238.0	231.3	224.5	215.7	207.6	199.5
17.5°	270.5	269.8	267.8	262.4	256.9	249.5	241.4	233.3	222.5	213.0	202.9
20°	280.6	280.6	277.9	271.8	265.7	257.6	248.8	239.4	227.9	216.4	204.2
22.5°	287.4	286.7	284.0	277.9	270.5	262.4	252.2	242.1	229.2	216.4	203.5
25°	289.4	288.7	286.0	279.3	271.8	263.0	252.2	241.4	227.9	214.3	200.1
27.5°	288.1	287.4	284.7	277.2	269.8	259.7	248.8	237.3	223.8	209.6	195.4
30°	284.0	282.0	279.3	272.5	264.4	254.2	242.7	229.9	216.4	201.5	187.3
32.5°	273.9	273.9	270.5	263.7	255.6	244.8	233.3	221.1	206.2	192.0	177.2
35°	262.4	261.7	259.0	251.5	244.1	234.0	222.5	209.6	195.4	181.2	167.0
37.5°	248.2	247.5	244.8	238.0	229.9	220.4	208.3	196.1	182.6	168.4	155.5
40°	232.6	231.3	227.9	222.5	215.7	204.9	194.1	181.9	169.0	156.2	143.3
42.5°	215.0	213.7	211.0	206.9	198.8	189.3	179.2	167.7	155.5	142.7	133.2
45°	192.7	192.7	191.4	187.3	181.2	173.8	163.0	152.8	141.3	129.8	119.7
47.5°	165.0	166.3	165.7	163.6	160.9	154.2	146.7	137.9	127.1	117.0	107.5
50°	140.6	141.3	142.0	140.6	138.6	133.9	129.1	123.7	114.3	104.8	96.0
52.5°	112.9	114.9	114.9	115.6	115.6	114.3	112.9	106.8	102.1	92.6	84.5
55°	92.6	92.6	92.6	94.0	94.7	95.3	94.0	92.6	87.2	80.5	73.0
57.5°	75.7	75.7	77.1	76.4	76.4	77.8	77.8	77.1	73.7	67.6	60.9
60°	62.2	62.2	62.2	62.2	62.9	62.9	62.9	62.9	60.2	54.8	49.4
62.5°	50.0	50.0	50.0	50.7	50.7	50.7	51.4	50.7	48.0	44.0	39.2
65°	39.9	39.2	39.9	39.9	40.6	40.6	40.6	39.9	37.2	34.5	31.1
67.5°	29.8	30.4	30.4	30.4	31.1	31.8	31.1	30.4	28.4	25.7	24.3
70°	21.6	22.3	22.3	22.3	23.0	23.7	23.0	22.3	21.0	19.6	18.3
72.5°	14.2	14.9	14.9	15.6	16.2	16.2	15.6	15.6	14.9	13.5	12.8
75°	8.8	8.8	9.5	9.5	10.1	10.1	10.1	9.5	9.5	8.8	8.8
77.5°	4.1	4.1	4.7	4.7	4.7	5.4	5.4	5.4	5.4	5.4	4.7
80°	1.4	1.4	1.4	1.4	1.4	2.0	2.0	2.0	2.7	2.7	2.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.4
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°	133.9	133.9	133.9	133.9	133.9	133.9	133.9	133.9
2.5°	145.4	143.3	140.6	133.9	127.1	121.7	118.3	117.7
5°	156.9	153.5	147.4	132.5	120.4	110.9	105.5	103.5
7.5°	168.4	162.3	153.5	130.5	112.2	100.8	94.7	92.0
10°	177.8	170.4	158.9	127.8	105.5	92.0	84.5	82.5
12.5°	185.3	176.5	162.3	123.7	98.7	83.8	76.4	74.4
15°	190.0	180.5	164.3	119.0	92.0	77.1	69.6	66.9
17.5°	192.0	180.5	163.6	114.3	85.9	71.0	63.6	61.5
20°	192.0	179.2	161.6	108.9	79.8	64.9	58.2	56.1
22.5°	190.0	176.5	156.9	102.8	74.4	60.2	53.4	51.4
25°	185.9	171.1	151.5	97.4	69.0	55.4	49.4	48.0
27.5°	179.9	165.0	144.7	92.0	64.2	51.4	46.0	44.6
30°	172.4	157.5	137.3	85.2	59.5	48.0	43.3	41.2
32.5°	163.0	148.8	129.1	79.8	55.4	44.6	40.6	39.2
35°	152.8	140.0	120.4	74.4	51.4	41.9	37.9	36.5
37.5°	142.7	129.1	112.9	68.3	48.0	39.2	35.8	34.5
40°	131.9	121.7	104.8	62.9	45.3	37.2	33.8	33.1
42.5°	121.0	110.2	93.3	58.2	41.9	34.5	31.8	31.1
45°	108.2	98.0	84.5	52.7	39.2	33.1	30.4	29.8
47.5°	97.4	87.9	75.7	48.0	36.5	31.1	28.4	27.7
50°	87.2	77.8	66.3	42.6	33.8	29.1	27.0	25.7
52.5°	75.7	67.6	57.5	37.9	31.1	27.0	25.0	24.3
55°	65.6	57.5	48.0	33.8	28.4	25.7	23.0	22.3
57.5°	54.1	47.3	40.6	29.8	25.7	23.0	21.6	20.3
60°	44.0	39.2	34.5	26.4	23.0	21.6	19.6	18.9
62.5°	35.8	32.5	29.1	23.0	20.3	18.9	17.6	16.2
65°	28.4	26.4	23.7	19.6	17.6	16.9	15.6	14.2
67.5°	22.3	21.0	18.9	15.6	14.9	14.2	12.8	11.5
70°	16.9	16.2	14.9	12.2	11.5	12.2	10.8	9.5
72.5°	12.2	11.5	10.8	8.8	8.8	8.8	8.1	6.8
75°	8.1	7.4	6.8	6.1	6.1	6.1	6.1	5.4
77.5°	4.7	4.7	4.1	3.4	4.1	4.1	4.7	4.7
80°	2.0	2.0	2.0	2.0	2.7	2.7	3.4	3.4
82.5°	1.4	1.4	1.4	1.4	2.0	2.0	2.0	2.0
85°	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.4
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)