

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: P1309333

Luminaire Tested: LDSQA3D13R709030DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309333
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R709030DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

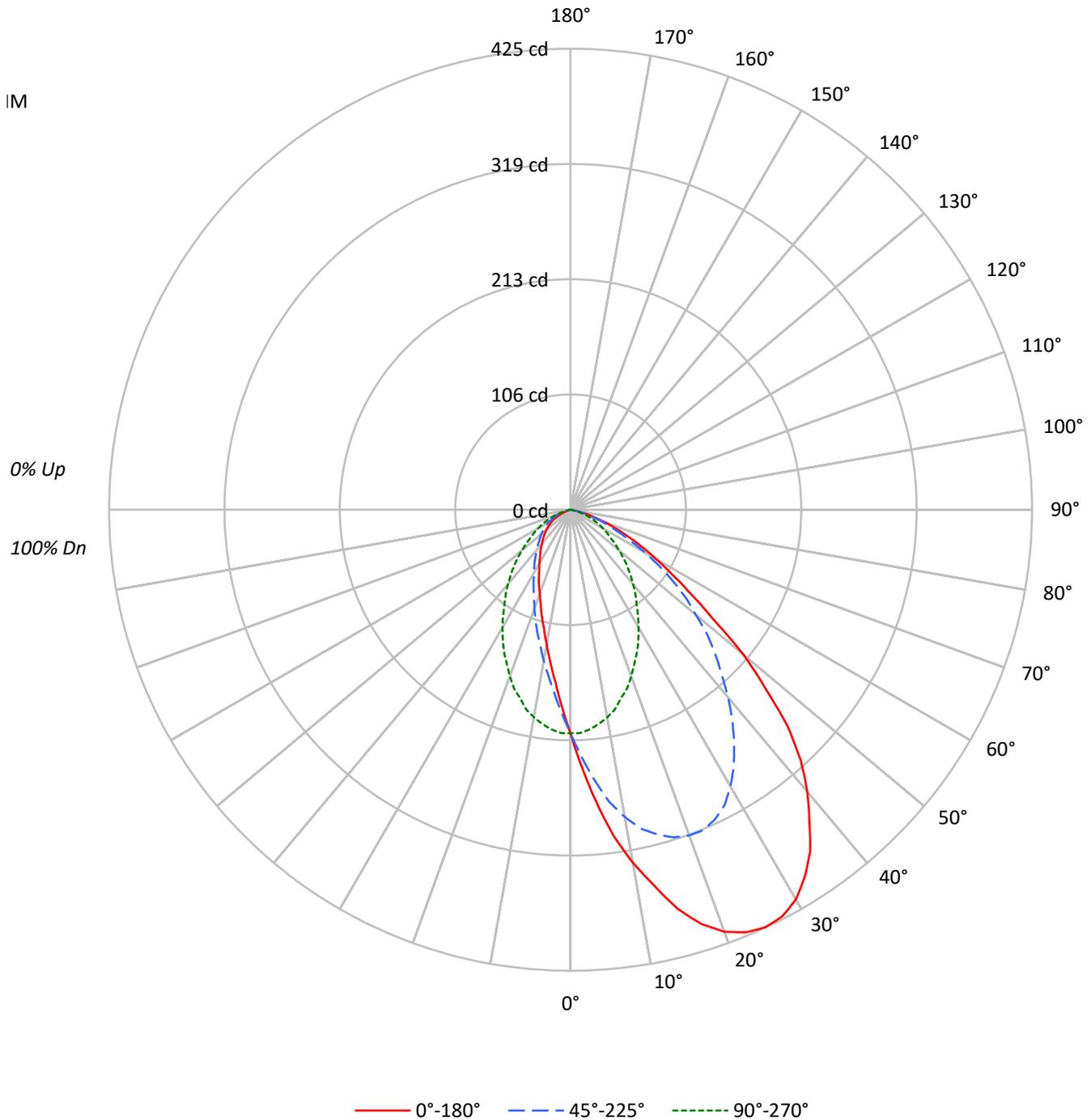
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 462.0 lumens
Efficiency: N/A
Efficacy: 31.6 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	90	90	90	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	69	69	69	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	61	61	61	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	54	54	54	52
6	75	63	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	48	48	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	43	43	43	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	39	39	39	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	36	36	36	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	33	33	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	35478	35478	35478	35478	35478
5°	46695	43168	35112	29390	27540
10°	57763	50295	33979	24815	22087
15°	67914	55255	32040	20968	18186
20°	75858	58575	29911	17814	15139
25°	80685	59820	27516	15316	13112
30°	82509	58546	24918	13324	11395
35°	80881	55147	22265	12047	10218
40°	76237	50675	20099	10926	9173
45°	68854	45911	17975	9937	8525
50°	55703	40350	15620	9378	7797
55°	40535	34710	13422	8738	6996
60°	31448	27452	12056	8026	6372
65°	23758	19805	9903	7131	4768
70°	16617	14200	7352	5388	2921
75°	9715	8384	3859	2595	665
80°	1884	2876	992	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 68854 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.1	4.4
10°-20°	60.1	13.0
20°-30°	90.5	19.6
30°-40°	100.6	21.8
40°-50°	89.2	19.3
50°-60°	60.5	13.1
60°-70°	31.7	6.9
70°-80°	9.0	2.0
80°-90°	0.3	0.1
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°	170.7	36.9
0°-40°	271.3	58.7
0°-60°	421.0	91.1
0°-90°	462.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	462.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	206	206	206	206	206	
5°	270	250	203	170	159	28
15°	381	310	180	118	102	108
25°	425	315	145	81	69	195
35°	385	262	106	57	49	238
45°	283	188	74	41	35	214
55°	135	116	45	29	23	125
65°	58	49	24	18	12	59
75°	15	13	6	4	1	16
85°	0	0	0	0	0	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°	206.0	206.0	206.0	206.0	206.0	206.0	206.0	206.0	206.0	206.0	206.0
2.5°	237.1	236.1	235.1	235.1	234.2	233.2	231.2	231.2	229.3	227.3	225.4
5°	270.1	270.1	270.1	267.2	267.2	263.3	261.4	257.5	253.6	249.7	244.8
7.5°	303.1	303.1	300.2	299.2	296.3	292.4	289.5	283.7	276.9	271.1	263.3
10°	330.3	330.3	327.4	325.5	319.6	315.8	309.9	303.1	296.3	287.6	277.9
12.5°	354.6	355.6	351.7	347.8	342.0	336.2	328.4	319.6	310.9	301.2	288.6
15°	380.9	379.9	375.0	370.2	363.4	354.6	344.9	333.3	321.6	309.9	296.3
17.5°	400.3	399.3	394.5	388.6	379.9	369.2	358.5	344.9	331.3	316.7	300.2
20°	413.9	412.9	408.1	400.3	391.5	379.9	367.3	351.7	337.1	319.6	301.2
22.5°	421.7	420.7	414.9	408.1	397.4	384.7	371.1	354.6	338.1	319.6	299.2
25°	424.6	422.6	416.8	409.0	398.3	384.7	369.2	351.7	334.2	314.8	293.4
27.5°	422.6	420.7	413.9	405.1	393.5	377.9	362.4	344.9	326.5	307.0	284.7
30°	414.9	411.9	406.1	397.4	384.7	369.2	352.7	334.2	314.8	294.4	272.0
32.5°	401.3	399.3	393.5	383.8	371.1	355.6	339.1	319.6	300.2	279.8	257.5
35°	384.7	380.9	375.0	366.3	353.7	338.1	321.6	301.2	282.7	262.3	241.0
37.5°	361.4	360.5	353.7	346.9	334.2	317.7	302.2	282.7	264.3	244.8	223.5
40°	339.1	337.1	331.3	323.5	310.9	296.3	279.8	262.3	243.9	225.4	206.0
42.5°	313.8	310.9	307.0	299.2	287.6	273.0	257.5	240.0	223.5	206.0	188.5
45°	282.7	281.8	276.9	273.0	262.3	249.7	234.2	218.6	202.1	188.5	174.9
47.5°	242.9	241.9	241.0	238.0	232.2	223.5	211.8	197.2	184.6	171.0	152.5
50°	207.9	206.9	205.0	204.0	199.2	194.3	185.6	176.8	166.1	150.6	136.0
52.5°	165.2	166.1	169.1	170.0	169.1	165.2	161.3	158.4	143.8	134.1	120.5
55°	135.0	135.0	134.1	135.0	136.0	138.0	138.0	134.1	124.4	115.6	104.0
57.5°	110.8	110.8	110.8	110.8	110.8	111.7	111.7	110.8	105.9	97.2	86.5
60°	91.3	90.4	90.4	91.3	90.4	90.4	91.3	91.3	86.5	79.7	70.0
62.5°	73.8	73.8	73.8	72.9	72.9	73.8	73.8	72.9	69.0	62.2	55.4
65°	58.3	58.3	58.3	58.3	58.3	59.3	58.3	57.3	53.4	48.6	43.7
67.5°	44.7	44.7	45.7	44.7	45.7	45.7	45.7	43.7	40.8	36.9	34.0
70°	33.0	33.0	33.0	34.0	35.0	35.0	34.0	32.1	30.1	28.2	25.3
72.5°	22.3	23.3	23.3	23.3	24.3	24.3	23.3	22.3	21.4	19.4	18.5
75°	14.6	13.6	14.6	14.6	15.5	15.5	14.6	14.6	13.6	12.6	11.7
77.5°	6.8	6.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	6.8	6.8
80°	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
82.5°	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	206.0	206.0	206.0	206.0	206.0	206.0	206.0	206.0
2.5°	223.5	220.5	216.7	206.0	196.3	187.5	182.7	181.7
5°	239.0	235.1	225.4	203.1	184.6	170.0	161.3	159.3
7.5°	255.5	247.8	234.2	199.2	172.9	154.5	144.8	141.9
10°	268.2	258.4	240.0	194.3	161.3	141.9	130.2	126.3
12.5°	276.9	265.2	244.8	188.5	151.6	128.2	116.6	112.7
15°	281.8	269.1	245.8	179.7	139.9	117.6	104.9	102.0
17.5°	283.7	269.1	243.9	172.9	129.2	106.9	95.2	91.3
20°	282.7	265.2	239.0	163.2	119.5	97.2	85.5	82.6
22.5°	278.8	259.4	231.2	153.5	109.8	87.4	77.7	75.8
25°	273.0	251.6	222.5	144.8	101.0	80.6	70.9	69.0
27.5°	263.3	241.9	210.8	135.0	93.3	73.8	65.1	62.2
30°	250.7	230.3	199.2	125.3	85.5	67.0	59.3	57.3
32.5°	237.1	216.7	187.5	115.6	78.7	62.2	54.4	52.5
35°	221.5	202.1	172.9	105.9	71.9	57.3	49.6	48.6
37.5°	206.0	186.5	160.3	98.1	66.1	52.5	45.7	44.7
40°	188.5	172.9	153.5	89.4	61.2	48.6	42.7	40.8
42.5°	177.8	156.4	132.1	81.6	56.4	44.7	38.9	37.9
45°	154.5	138.9	119.5	73.8	51.5	40.8	35.9	35.0
47.5°	138.9	125.3	106.9	66.1	47.6	37.9	33.0	32.1
50°	123.4	110.8	93.3	58.3	43.7	35.0	30.1	29.1
52.5°	107.8	95.2	79.7	51.5	38.9	32.1	27.2	26.2
55°	92.3	80.6	66.1	44.7	35.0	29.1	25.3	23.3
57.5°	75.8	66.1	56.4	39.8	31.1	26.2	22.3	20.4
60°	61.2	55.4	47.6	35.0	27.2	23.3	19.4	18.5
62.5°	49.6	44.7	39.8	30.1	24.3	20.4	17.5	14.6
65°	39.8	36.9	33.0	24.3	20.4	17.5	14.6	11.7
67.5°	31.1	29.1	26.2	20.4	16.5	14.6	10.7	8.7
70°	24.3	22.3	20.4	14.6	12.6	10.7	7.8	5.8
72.5°	17.5	15.5	14.6	10.7	8.7	7.8	4.9	2.9
75°	10.7	10.7	8.7	5.8	4.9	3.9	1.9	1.0
77.5°	5.8	5.8	4.9	2.9	2.9	1.0	0.0	0.0
80°	2.9	1.9	1.9	1.0	1.0	0.0	0.0	0.0
82.5°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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

(END OF REPORT)