

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: P1318443

Luminaire Tested: LDSQA3D13R709830DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318443
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: LDSQA3D13R709830DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

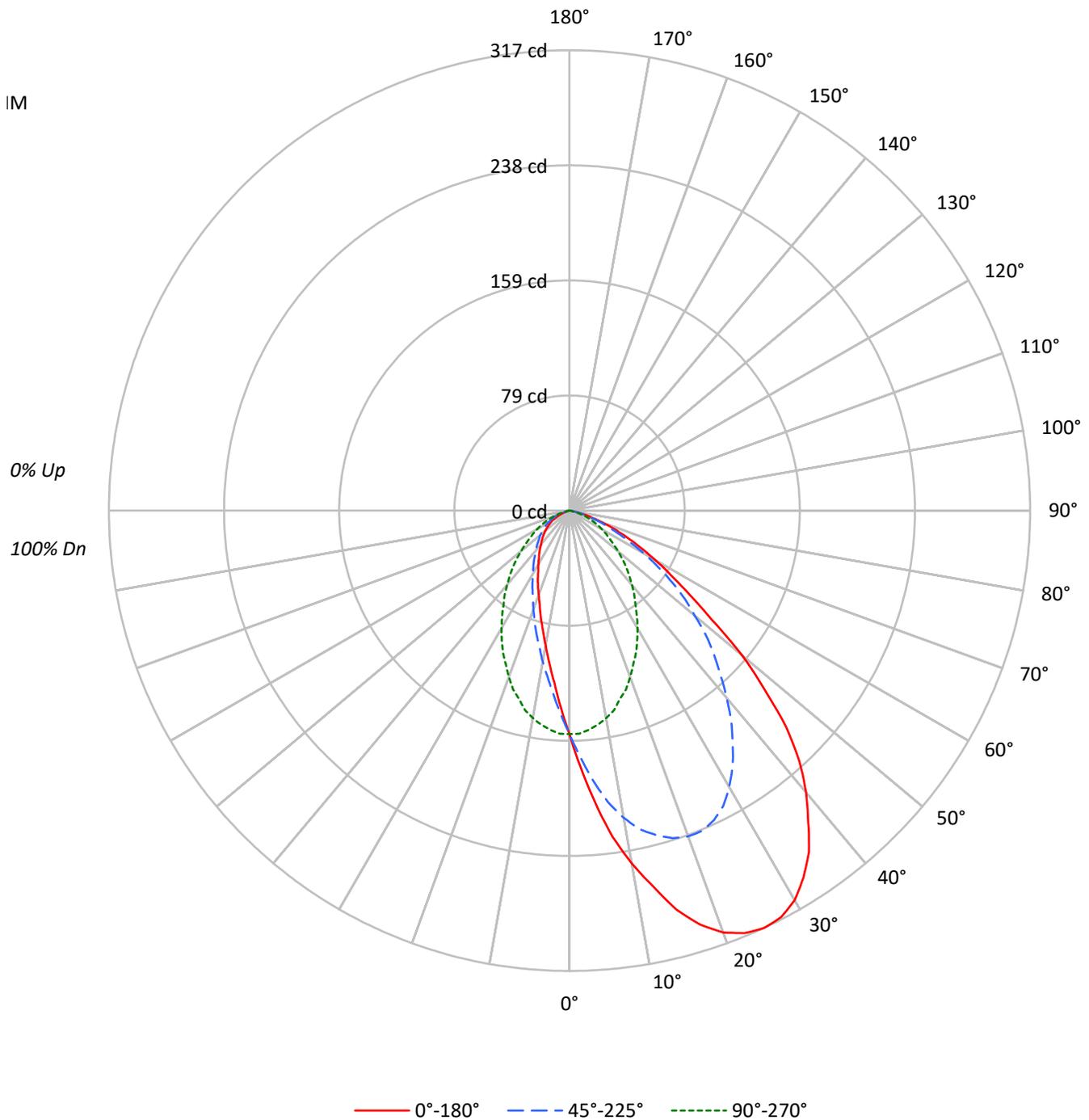
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 345.0 lumens
Efficiency: N/A
Efficacy: 23.8 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): 14.5
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

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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	64	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°	26488	26488	26488	26488	26488
5°	34870	32242	26209	21956	20573
10°	43143	37564	25375	18520	16491
15°	50708	41258	23928	15655	13586
20°	56650	43748	22341	13306	11308
25°	60257	44675	20542	11440	9786
30°	61609	43711	18614	9963	8511
35°	60403	41187	16630	8998	7632
40°	56925	37837	14996	8161	6857
45°	51415	34293	13420	7429	6357
50°	41610	30142	11655	6993	5841
55°	30266	25913	10029	6546	5225
60°	23491	20494	8990	5993	4753
65°	17727	14793	7376	5338	3545
70°	12438	10574	5489	4028	2216
75°	7253	6255	2928	1930	466
80°	1488	2182	694	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 51415 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.0	4.4
10°-20°	44.8	13.0
20°-30°	67.6	19.6
30°-40°	75.1	21.8
40°-50°	66.6	19.3
50°-60°	45.2	13.1
60°-70°	23.7	6.9
70°-80°	6.7	2.0
80°-90°	0.2	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°	127.5	36.9
0°-40°	202.6	58.7
0°-60°	314.4	91.1
0°-90°	345.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	345.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	154	154	154	154	154	
5°	202	186	152	127	119	21
15°	284	231	134	88	76	81
25°	317	235	108	60	52	145
35°	287	196	79	43	36	178
45°	211	141	55	30	26	160
55°	101	86	33	22	17	93
65°	44	36	18	13	9	44
75°	11	9	4	3	1	12
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°	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8
2.5°	177.0	176.3	175.6	175.6	174.9	174.1	172.7	172.7	171.2	169.8	168.3
5°	201.7	201.7	201.7	199.5	199.5	196.6	195.2	192.3	189.4	186.5	182.8
7.5°	226.4	226.4	224.2	223.5	221.3	218.4	216.2	211.9	206.8	202.4	196.6
10°	246.7	246.7	244.5	243.1	238.7	235.8	231.4	226.4	221.3	214.8	207.5
12.5°	264.8	265.5	262.6	259.7	255.4	251.0	245.2	238.7	232.2	224.9	215.5
15°	284.4	283.7	280.1	276.4	271.3	264.8	257.6	248.9	240.2	231.4	221.3
17.5°	298.9	298.2	294.6	290.2	283.7	275.7	267.7	257.6	247.4	236.5	224.2
20°	309.1	308.4	304.7	298.9	292.4	283.7	274.3	262.6	251.8	238.7	224.9
22.5°	314.9	314.2	309.8	304.7	296.7	287.3	277.2	264.8	252.5	238.7	223.5
25°	317.1	315.6	311.3	305.4	297.5	287.3	275.7	262.6	249.6	235.1	219.1
27.5°	315.6	314.2	309.1	302.5	293.8	282.2	270.6	257.6	243.8	229.3	212.6
30°	309.8	307.6	303.3	296.7	287.3	275.7	263.4	249.6	235.1	219.8	203.1
32.5°	299.6	298.2	293.8	286.6	277.2	265.5	253.2	238.7	224.2	209.0	192.3
35°	287.3	284.4	280.1	273.5	264.1	252.5	240.2	224.9	211.1	195.9	179.9
37.5°	269.9	269.2	264.1	259.0	249.6	237.2	225.6	211.1	197.3	182.8	166.9
40°	253.2	251.8	247.4	241.6	232.2	221.3	209.0	195.9	182.1	168.3	153.8
42.5°	234.3	232.2	229.3	223.5	214.8	203.9	192.3	179.2	166.9	153.8	140.8
45°	211.1	210.4	206.8	203.9	195.9	186.5	174.9	163.2	150.9	140.8	130.6
47.5°	181.4	180.7	179.9	177.8	173.4	166.9	158.2	147.3	137.9	127.7	113.9
50°	155.3	154.5	153.1	152.4	148.7	145.1	138.6	132.0	124.1	112.5	101.6
52.5°	123.3	124.1	126.2	127.0	126.2	123.3	120.4	118.3	107.4	100.1	90.0
55°	100.8	100.8	100.1	100.8	101.6	103.0	103.0	100.1	92.9	86.3	77.6
57.5°	82.7	82.7	82.7	82.7	82.7	83.4	83.4	82.7	79.1	72.6	64.6
60°	68.2	67.5	67.5	68.2	67.5	67.5	68.2	68.2	64.6	59.5	52.2
62.5°	55.1	55.1	55.1	54.4	54.4	55.1	55.1	54.4	51.5	46.4	41.4
65°	43.5	43.5	43.5	43.5	43.5	44.3	43.5	42.8	39.9	36.3	32.6
67.5°	33.4	33.4	34.1	33.4	34.1	34.1	34.1	32.6	30.5	27.6	25.4
70°	24.7	24.7	24.7	25.4	26.1	26.1	25.4	23.9	22.5	21.0	18.9
72.5°	16.7	17.4	17.4	17.4	18.1	18.1	17.4	16.7	16.0	14.5	13.8
75°	10.9	10.2	10.9	10.9	11.6	11.6	10.9	10.9	10.2	9.4	8.7
77.5°	5.1	5.1	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.1	5.1
80°	1.5	1.5	1.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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°	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8
2.5°	166.9	164.7	161.8	153.8	146.6	140.0	136.4	135.7
5°	178.5	175.6	168.3	151.6	137.9	127.0	120.4	119.0
7.5°	190.8	185.0	174.9	148.7	129.1	115.4	108.1	105.9
10°	200.2	193.0	179.2	145.1	120.4	105.9	97.2	94.3
12.5°	206.8	198.1	182.8	140.8	113.2	95.8	87.1	84.2
15°	210.4	201.0	183.6	134.2	104.5	87.8	78.4	76.2
17.5°	211.9	201.0	182.1	129.1	96.5	79.8	71.1	68.2
20°	211.1	198.1	178.5	121.9	89.2	72.6	63.8	61.7
22.5°	208.2	193.7	172.7	114.6	82.0	65.3	58.0	56.6
25°	203.9	187.9	166.1	108.1	75.5	60.2	53.0	51.5
27.5°	196.6	180.7	157.4	100.8	69.7	55.1	48.6	46.4
30°	187.2	172.0	148.7	93.6	63.8	50.1	44.3	42.8
32.5°	177.0	161.8	140.0	86.3	58.8	46.4	40.6	39.2
35°	165.4	150.9	129.1	79.1	53.7	42.8	37.0	36.3
37.5°	153.8	139.3	119.7	73.3	49.3	39.2	34.1	33.4
40°	140.8	129.1	114.6	66.7	45.7	36.3	31.9	30.5
42.5°	132.8	116.8	98.7	60.9	42.1	33.4	29.0	28.3
45°	115.4	103.8	89.2	55.1	38.5	30.5	26.8	26.1
47.5°	103.8	93.6	79.8	49.3	35.6	28.3	24.7	23.9
50°	92.1	82.7	69.7	43.5	32.6	26.1	22.5	21.8
52.5°	80.5	71.1	59.5	38.5	29.0	23.9	20.3	19.6
55°	68.9	60.2	49.3	33.4	26.1	21.8	18.9	17.4
57.5°	56.6	49.3	42.1	29.7	23.2	19.6	16.7	15.2
60°	45.7	41.4	35.6	26.1	20.3	17.4	14.5	13.8
62.5°	37.0	33.4	29.7	22.5	18.1	15.2	13.1	10.9
65°	29.7	27.6	24.7	18.1	15.2	13.1	10.9	8.7
67.5°	23.2	21.8	19.6	15.2	12.3	10.9	8.0	6.5
70°	18.1	16.7	15.2	10.9	9.4	8.0	5.8	4.4
72.5°	13.1	11.6	10.9	8.0	6.5	5.8	3.6	2.2
75°	8.0	8.0	6.5	4.4	3.6	2.9	1.5	0.7
77.5°	4.4	4.4	3.6	2.2	2.2	0.7	0.0	0.0
80°	2.2	1.5	1.5	0.7	0.7	0.0	0.0	0.0
82.5°	0.7	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)