

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: P1320196

Luminaire Tested: LDSQA3D13R709840DE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320196
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: LDSQA3D13R709840DE010 3LSQCLSWWR 1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCLSWWR 1MMS T
Light Source: -
Ballast/Driver: -

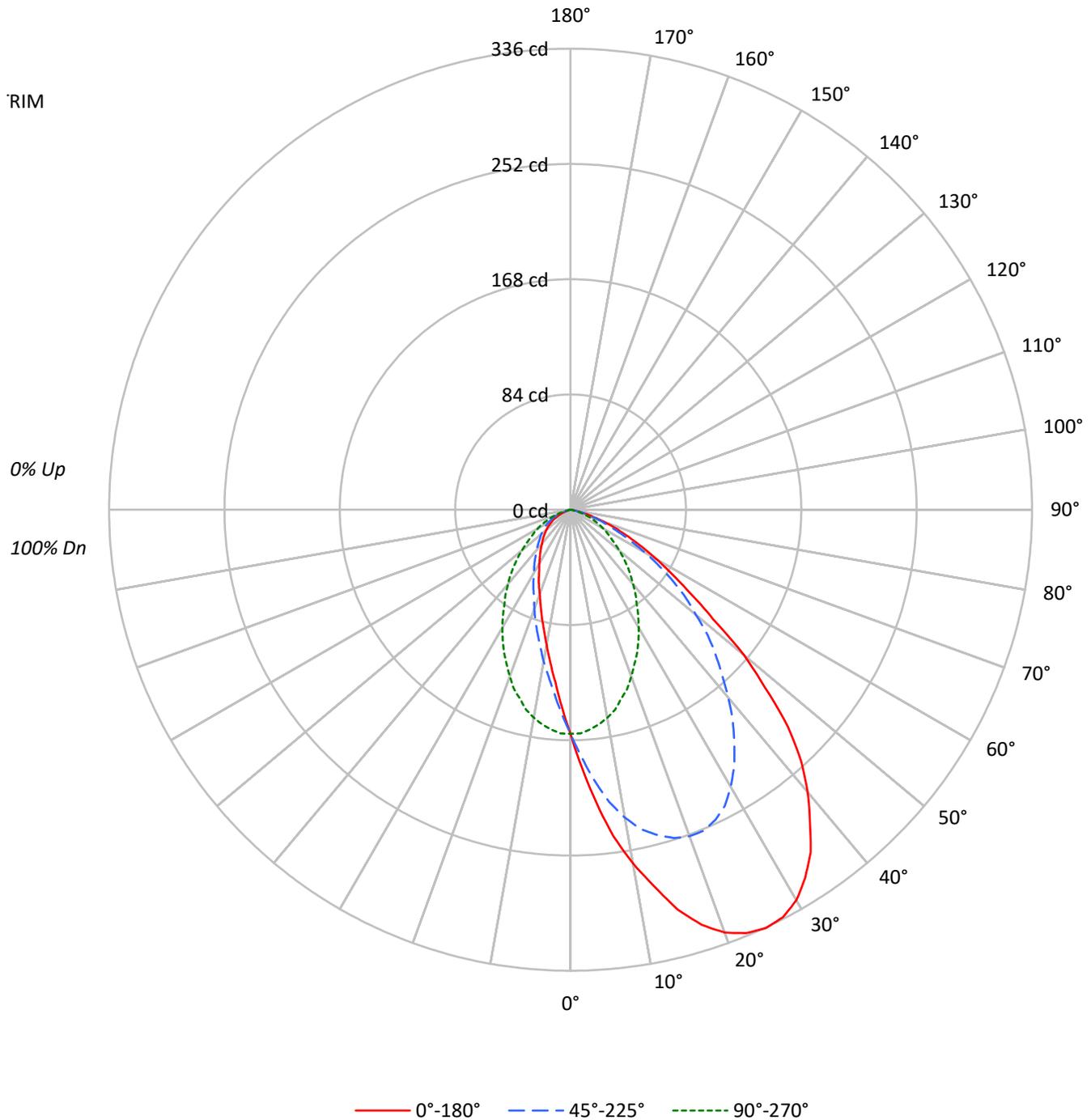
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 366.0 lumens
Efficiency: N/A
Efficacy: 25.2 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 (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	100	100	100	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89	89	89	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	77	77	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67	67	67	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59	59	59	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	52	52	52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46	46	46	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42	42	42	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38	38	38	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34	34	34	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	28107	28107	28107	28107	28107
5°	36996	34196	27816	23287	21818
10°	45766	39838	26914	19656	17505
15°	53793	43772	25390	16600	14406
20°	60096	46405	23698	14112	11986
25°	63925	47393	21796	12143	10375
30°	65367	46375	19747	10560	9028
35°	64083	43689	17640	9545	8094
40°	60387	40153	15917	8656	7262
45°	54557	36363	14248	7867	6747
50°	44128	31964	12378	7422	6189
55°	32128	27504	10629	6936	5555
60°	24938	21734	9541	6372	5029
65°	18827	15689	7824	5664	3749
70°	13193	11229	5791	4280	2316
75°	7652	6654	3061	2063	532
80°	1488	2281	793	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 54557 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.0	4.4
10°-20°	47.6	13.0
20°-30°	71.7	19.6
30°-40°	79.7	21.8
40°-50°	70.6	19.3
50°-60°	48.0	13.1
60°-70°	25.2	6.9
70°-80°	7.1	1.9
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°	135.2	36.9
0°-40°	214.9	58.7
0°-60°	333.5	91.1
0°-90°	366.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	366.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	163	163	163	163	163	
5°	214	198	161	135	126	22
15°	302	246	142	93	81	86
25°	336	249	115	64	55	154
35°	305	208	84	45	38	189
45°	224	149	58	32	28	170
55°	107	92	35	23	18	99
65°	46	38	19	14	9	47
75°	12	10	5	3	1	13
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°	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2
2.5°	187.8	187.0	186.3	186.3	185.5	184.7	183.2	183.2	181.6	180.1	178.6
5°	214.0	214.0	214.0	211.7	211.7	208.6	207.0	204.0	200.9	197.8	194.0
7.5°	240.1	240.1	237.8	237.1	234.8	231.7	229.4	224.8	219.4	214.7	208.6
10°	261.7	261.7	259.4	257.8	253.2	250.2	245.5	240.1	234.8	227.8	220.1
12.5°	280.9	281.7	278.6	275.6	270.9	266.3	260.2	253.2	246.3	238.6	228.6
15°	301.7	300.9	297.1	293.3	287.9	280.9	273.2	264.0	254.8	245.5	234.8
17.5°	317.1	316.3	312.5	307.9	300.9	292.5	284.0	273.2	262.5	250.9	237.8
20°	327.9	327.1	323.3	317.1	310.2	300.9	290.9	278.6	267.1	253.2	238.6
22.5°	334.0	333.3	328.7	323.3	314.8	304.8	294.0	280.9	267.9	253.2	237.1
25°	336.4	334.8	330.2	324.0	315.6	304.8	292.5	278.6	264.8	249.4	232.4
27.5°	334.8	333.3	327.9	321.0	311.7	299.4	287.1	273.2	258.6	243.2	225.5
30°	328.7	326.3	321.7	314.8	304.8	292.5	279.4	264.8	249.4	233.2	215.5
32.5°	317.9	316.3	311.7	304.0	294.0	281.7	268.6	253.2	237.8	221.7	204.0
35°	304.8	301.7	297.1	290.2	280.2	267.9	254.8	238.6	224.0	207.8	190.9
37.5°	286.3	285.6	280.2	274.8	264.8	251.7	239.4	224.0	209.4	194.0	177.0
40°	268.6	267.1	262.5	256.3	246.3	234.8	221.7	207.8	193.2	178.6	163.2
42.5°	248.6	246.3	243.2	237.1	227.8	216.3	204.0	190.1	177.0	163.2	149.3
45°	224.0	223.2	219.4	216.3	207.8	197.8	185.5	173.2	160.1	149.3	138.5
47.5°	192.4	191.7	190.9	188.6	184.0	177.0	167.8	156.2	146.2	135.5	120.8
50°	164.7	163.9	162.4	161.6	157.8	153.9	147.0	140.1	131.6	119.3	107.8
52.5°	130.8	131.6	133.9	134.7	133.9	130.8	127.8	125.5	113.9	106.2	95.4
55°	107.0	107.0	106.2	107.0	107.8	109.3	109.3	106.2	98.5	91.6	82.4
57.5°	87.7	87.7	87.7	87.7	87.7	88.5	88.5	87.7	83.9	77.0	68.5
60°	72.4	71.6	71.6	72.4	71.6	71.6	72.4	72.4	68.5	63.1	55.4
62.5°	58.5	58.5	58.5	57.7	57.7	58.5	58.5	57.7	54.6	49.3	43.9
65°	46.2	46.2	46.2	46.2	46.2	47.0	46.2	45.4	42.3	38.5	34.6
67.5°	35.4	35.4	36.2	35.4	36.2	36.2	36.2	34.6	32.3	29.2	26.9
70°	26.2	26.2	26.2	26.9	27.7	27.7	26.9	25.4	23.9	22.3	20.0
72.5°	17.7	18.5	18.5	18.5	19.2	19.2	18.5	17.7	16.9	15.4	14.6
75°	11.5	10.8	11.5	11.5	12.3	12.3	11.5	11.5	10.8	10.0	9.2
77.5°	5.4	5.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.4	5.4
80°	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
82.5°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2
2.5°	177.0	174.7	171.6	163.2	155.5	148.6	144.7	143.9
5°	189.3	186.3	178.6	160.9	146.2	134.7	127.8	126.2
7.5°	202.4	196.3	185.5	157.8	137.0	122.4	114.7	112.4
10°	212.4	204.7	190.1	153.9	127.8	112.4	103.1	100.1
12.5°	219.4	210.1	194.0	149.3	120.1	101.6	92.4	89.3
15°	223.2	213.2	194.7	142.4	110.8	93.1	83.1	80.8
17.5°	224.8	213.2	193.2	137.0	102.4	84.7	75.4	72.4
20°	224.0	210.1	189.3	129.3	94.7	77.0	67.7	65.4
22.5°	220.9	205.5	183.2	121.6	87.0	69.3	61.6	60.0
25°	216.3	199.4	176.3	114.7	80.0	63.9	56.2	54.6
27.5°	208.6	191.7	167.0	107.0	73.9	58.5	51.6	49.3
30°	198.6	182.4	157.8	99.3	67.7	53.1	47.0	45.4
32.5°	187.8	171.6	148.6	91.6	62.3	49.3	43.1	41.6
35°	175.5	160.1	137.0	83.9	57.0	45.4	39.3	38.5
37.5°	163.2	147.8	127.0	77.7	52.3	41.6	36.2	35.4
40°	149.3	137.0	121.6	70.8	48.5	38.5	33.9	32.3
42.5°	140.9	123.9	104.7	64.7	44.6	35.4	30.8	30.0
45°	122.4	110.1	94.7	58.5	40.8	32.3	28.5	27.7
47.5°	110.1	99.3	84.7	52.3	37.7	30.0	26.2	25.4
50°	97.8	87.7	73.9	46.2	34.6	27.7	23.9	23.1
52.5°	85.4	75.4	63.1	40.8	30.8	25.4	21.6	20.8
55°	73.1	63.9	52.3	35.4	27.7	23.1	20.0	18.5
57.5°	60.0	52.3	44.6	31.6	24.6	20.8	17.7	16.2
60°	48.5	43.9	37.7	27.7	21.6	18.5	15.4	14.6
62.5°	39.3	35.4	31.6	23.9	19.2	16.2	13.9	11.5
65°	31.6	29.2	26.2	19.2	16.2	13.9	11.5	9.2
67.5°	24.6	23.1	20.8	16.2	13.1	11.5	8.5	6.9
70°	19.2	17.7	16.2	11.5	10.0	8.5	6.2	4.6
72.5°	13.9	12.3	11.5	8.5	6.9	6.2	3.8	2.3
75°	8.5	8.5	6.9	4.6	3.8	3.1	1.5	0.8
77.5°	4.6	4.6	3.8	2.3	2.3	0.8	0.0	0.0
80°	2.3	1.5	1.5	0.8	0.8	0.0	0.0	0.0
82.5°	0.8	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)