

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: P1313765

Luminaire Tested: LDSQA3D13R709727DE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313765
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: LDSQA3D13R709727DE010 3LSQCLSWWR 1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , 3LSQCLSWWR 1MMS T
Light Source: -
Ballast/Driver: -

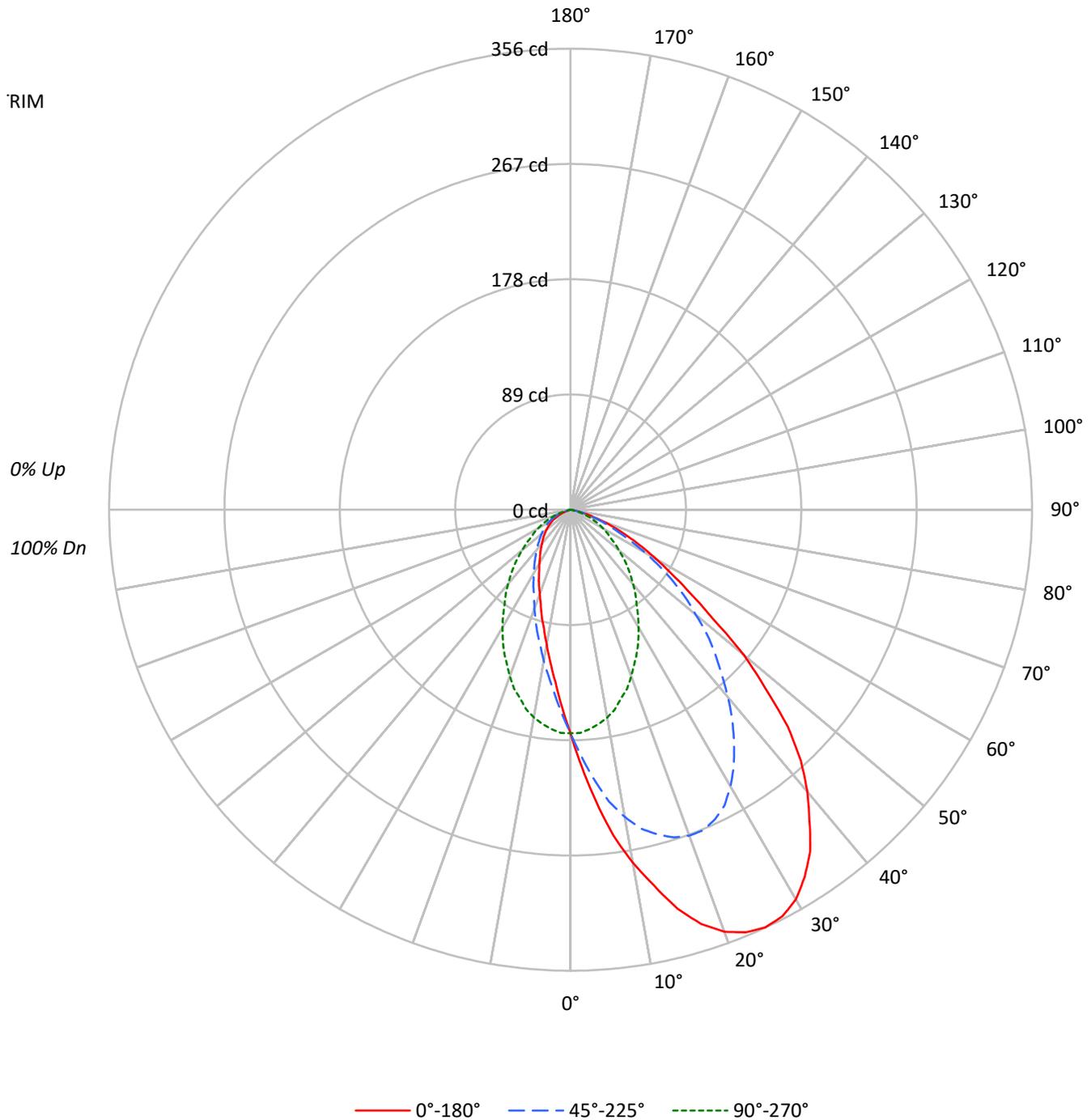
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 387.0 lumens
Efficiency: N/A
Efficacy: 26.5 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 (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				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°	29708	29708	29708	29708	29708
5°	39123	36167	29407	24618	23080
10°	48389	42128	28470	20776	18502
15°	56877	46286	26852	17562	15244
20°	63542	49081	25054	14919	12683
25°	67592	50110	23050	12846	10984
30°	69106	49040	20881	11176	9546
35°	67762	46191	18649	10092	8557
40°	63849	42446	16839	9150	7689
45°	57675	38458	15076	8330	7136
50°	46674	33786	13075	7850	6538
55°	33960	29065	11230	7326	5855
60°	26350	22975	10092	6717	5339
65°	19887	16586	8273	5950	3994
70°	13948	11884	6143	4532	2467
75°	8118	7053	3261	2196	532
80°	1587	2380	793	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 57675 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.9	4.4
10°-20°	50.3	13.0
20°-30°	75.8	19.6
30°-40°	84.3	21.8
40°-50°	74.7	19.3
50°-60°	50.7	13.1
60°-70°	26.6	6.9
70°-80°	7.5	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°	143.0	36.9
0°-40°	227.2	58.7
0°-60°	352.6	91.1
0°-90°	387.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	387.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	172	172	172	172	172	
5°	226	209	170	142	134	23
15°	319	260	151	98	86	91
25°	356	264	121	68	58	163
35°	322	220	89	48	41	200
45°	237	158	62	34	29	179
55°	113	97	37	24	20	105
65°	49	41	20	15	10	49
75°	12	11	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°	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5
2.5°	198.6	197.8	197.0	197.0	196.1	195.3	193.7	193.7	192.1	190.4	188.8
5°	226.3	226.3	226.3	223.8	223.8	220.6	218.9	215.7	212.4	209.2	205.1
7.5°	253.9	253.9	251.5	250.7	248.2	245.0	242.5	237.6	231.9	227.1	220.6
10°	276.7	276.7	274.3	272.6	267.8	264.5	259.6	253.9	248.2	240.9	232.8
12.5°	297.1	297.9	294.6	291.4	286.5	281.6	275.1	267.8	260.4	252.3	241.7
15°	319.0	318.2	314.1	310.1	304.4	297.1	288.9	279.2	269.4	259.6	248.2
17.5°	335.3	334.5	330.4	325.5	318.2	309.3	300.3	288.9	277.5	265.3	251.5
20°	346.7	345.9	341.8	335.3	328.0	318.2	307.6	294.6	282.4	267.8	252.3
22.5°	353.2	352.4	347.5	341.8	332.9	322.3	310.9	297.1	283.2	267.8	250.7
25°	355.7	354.0	349.1	342.6	333.7	322.3	309.3	294.6	280.0	263.7	245.8
27.5°	354.0	352.4	346.7	339.4	329.6	316.6	303.6	288.9	273.5	257.2	238.5
30°	347.5	345.1	340.2	332.9	322.3	309.3	295.4	280.0	263.7	246.6	227.9
32.5°	336.1	334.5	329.6	321.5	310.9	297.9	284.0	267.8	251.5	234.4	215.7
35°	322.3	319.0	314.1	306.8	296.2	283.2	269.4	252.3	236.8	219.7	201.8
37.5°	302.8	301.9	296.2	290.5	280.0	266.1	253.1	236.8	221.4	205.1	187.2
40°	284.0	282.4	277.5	271.0	260.4	248.2	234.4	219.7	204.3	188.8	172.5
42.5°	262.9	260.4	257.2	250.7	240.9	228.7	215.7	201.0	187.2	172.5	157.9
45°	236.8	236.0	231.9	228.7	219.7	209.2	196.1	183.1	169.3	157.9	146.5
47.5°	203.5	202.7	201.8	199.4	194.5	187.2	177.4	165.2	154.6	143.2	127.8
50°	174.2	173.4	171.7	170.9	166.8	162.8	155.4	148.1	139.2	126.1	113.9
52.5°	138.4	139.2	141.6	142.4	141.6	138.4	135.1	132.7	120.5	112.3	100.9
55°	113.1	113.1	112.3	113.1	113.9	115.6	115.6	112.3	104.2	96.8	87.1
57.5°	92.8	92.8	92.8	92.8	92.8	93.6	93.6	92.8	88.7	81.4	72.4
60°	76.5	75.7	75.7	76.5	75.7	75.7	76.5	76.5	72.4	66.7	58.6
62.5°	61.9	61.9	61.9	61.0	61.0	61.9	61.9	61.0	57.8	52.1	46.4
65°	48.8	48.8	48.8	48.8	48.8	49.6	48.8	48.0	44.8	40.7	36.6
67.5°	37.4	37.4	38.3	37.4	38.3	38.3	38.3	36.6	34.2	30.9	28.5
70°	27.7	27.7	27.7	28.5	29.3	29.3	28.5	26.9	25.2	23.6	21.2
72.5°	18.7	19.5	19.5	19.5	20.3	20.3	19.5	18.7	17.9	16.3	15.5
75°	12.2	11.4	12.2	12.2	13.0	13.0	12.2	12.2	11.4	10.6	9.8
77.5°	5.7	5.7	6.5	6.5	6.5	6.5	6.5	6.5	6.5	5.7	5.7
80°	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
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°	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5
2.5°	187.2	184.7	181.5	172.5	164.4	157.1	153.0	152.2
5°	200.2	197.0	188.8	170.1	154.6	142.4	135.1	133.5
7.5°	214.0	207.5	196.1	166.8	144.9	129.4	121.3	118.8
10°	224.6	216.5	201.0	162.8	135.1	118.8	109.1	105.8
12.5°	231.9	222.2	205.1	157.9	127.0	107.4	97.7	94.4
15°	236.0	225.4	205.9	150.6	117.2	98.5	87.9	85.5
17.5°	237.6	225.4	204.3	144.9	108.2	89.5	79.8	76.5
20°	236.8	222.2	200.2	136.7	100.1	81.4	71.6	69.2
22.5°	233.6	217.3	193.7	128.6	92.0	73.2	65.1	63.5
25°	228.7	210.8	186.4	121.3	84.6	67.6	59.4	57.8
27.5°	220.6	202.7	176.6	113.1	78.1	61.9	54.5	52.1
30°	210.0	192.9	166.8	105.0	71.6	56.2	49.6	48.0
32.5°	198.6	181.5	157.1	96.8	65.9	52.1	45.6	43.9
35°	185.6	169.3	144.9	88.7	60.2	48.0	41.5	40.7
37.5°	172.5	156.3	134.3	82.2	55.3	43.9	38.3	37.4
40°	157.9	144.9	128.6	74.9	51.3	40.7	35.8	34.2
42.5°	148.9	131.0	110.7	68.4	47.2	37.4	32.6	31.7
45°	129.4	116.4	100.1	61.9	43.1	34.2	30.1	29.3
47.5°	116.4	105.0	89.5	55.3	39.9	31.7	27.7	26.9
50°	103.4	92.8	78.1	48.8	36.6	29.3	25.2	24.4
52.5°	90.3	79.8	66.7	43.1	32.6	26.9	22.8	22.0
55°	77.3	67.6	55.3	37.4	29.3	24.4	21.2	19.5
57.5°	63.5	55.3	47.2	33.4	26.0	22.0	18.7	17.1
60°	51.3	46.4	39.9	29.3	22.8	19.5	16.3	15.5
62.5°	41.5	37.4	33.4	25.2	20.3	17.1	14.6	12.2
65°	33.4	30.9	27.7	20.3	17.1	14.6	12.2	9.8
67.5°	26.0	24.4	22.0	17.1	13.8	12.2	9.0	7.3
70°	20.3	18.7	17.1	12.2	10.6	9.0	6.5	4.9
72.5°	14.6	13.0	12.2	9.0	7.3	6.5	4.1	2.4
75°	9.0	9.0	7.3	4.9	4.1	3.3	1.6	0.8
77.5°	4.9	4.9	4.1	2.4	2.4	0.8	0.0	0.0
80°	2.4	1.6	1.6	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)