

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: P1314737

Luminaire Tested: LDSQA3D13R709730DE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314737
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: LDSQA3D13R709730DE010 3LSQCLSWWR 1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCLSWWR 1MMS T
Light Source: -
Ballast/Driver: -

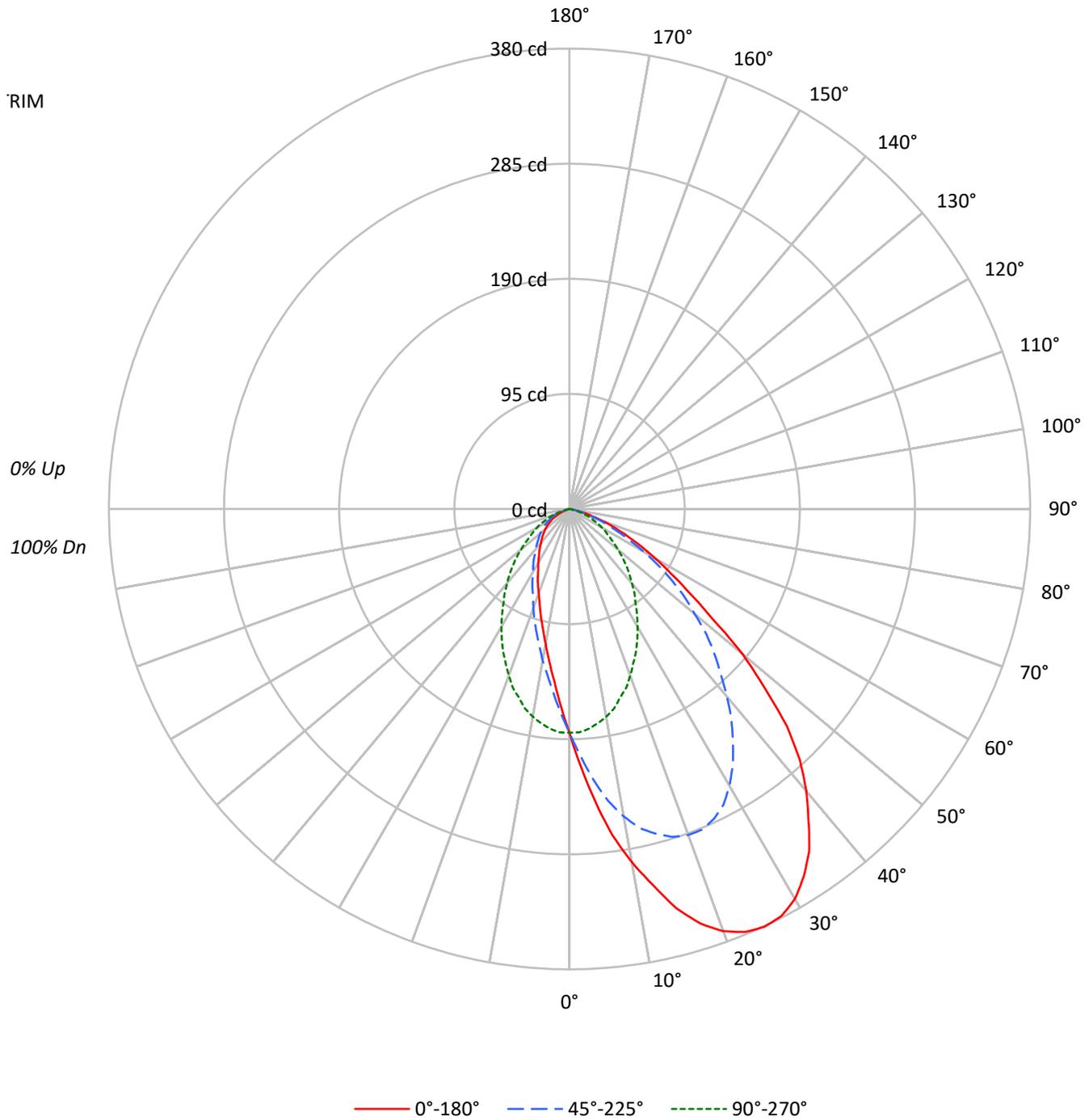
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 414.0 lumens
Efficiency: N/A
Efficacy: 28.4 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				
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	63	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°	31792	31792	31792	31792	31792
5°	41837	38691	31464	26347	24687
10°	51764	45066	30447	22227	19796
15°	60853	49513	28724	18775	16296
20°	67977	52490	26813	15963	13562
25°	72305	53607	24646	13739	11744
30°	73938	52461	22333	11952	10222
35°	72492	49429	19952	10807	9146
40°	68323	45414	18008	9780	8228
45°	61718	41137	16124	8914	7623
50°	49916	36144	13986	8386	6993
55°	36332	31107	12010	7837	6275
60°	28176	24593	10781	7199	5683
65°	21272	17727	8884	6398	4238
70°	14905	12689	6596	4834	2618
75°	8717	7519	3460	2329	599
80°	1686	2579	893	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 61718 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.0	4.4
10°-20°	53.8	13.0
20°-30°	81.1	19.6
30°-40°	90.1	21.8
40°-50°	79.9	19.3
50°-60°	54.2	13.1
60°-70°	28.5	6.9
70°-80°	8.1	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°	153.0	36.9
0°-40°	243.1	58.7
0°-60°	377.2	91.1
0°-90°	414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	414.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	185	185	185	185	185	
5°	242	224	182	152	143	25
15°	341	278	161	105	91	97
25°	380	282	130	72	62	175
35°	345	235	95	51	44	214
45°	253	169	66	37	31	192
55°	121	104	40	26	21	112
65°	52	44	22	16	10	53
75°	13	11	5	4	1	14
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°	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6
2.5°	212.4	211.6	210.7	210.7	209.8	209.0	207.2	207.2	205.5	203.7	202.0
5°	242.0	242.0	242.0	239.4	239.4	235.9	234.2	230.7	227.2	223.8	219.4
7.5°	271.6	271.6	269.0	268.2	265.5	262.1	259.4	254.2	248.1	242.9	235.9
10°	296.0	296.0	293.4	291.7	286.4	283.0	277.7	271.6	265.5	257.7	249.0
12.5°	317.8	318.7	315.2	311.7	306.5	301.2	294.3	286.4	278.6	269.9	258.6
15°	341.3	340.4	336.1	331.7	325.6	317.8	309.1	298.6	288.2	277.7	265.5
17.5°	358.7	357.8	353.5	348.3	340.4	330.8	321.3	309.1	296.9	283.8	269.0
20°	370.9	370.0	365.7	358.7	350.9	340.4	329.1	315.2	302.1	286.4	269.9
22.5°	377.9	377.0	371.8	365.7	356.1	344.8	332.6	317.8	303.0	286.4	268.2
25°	380.5	378.7	373.5	366.5	357.0	344.8	330.8	315.2	299.5	282.1	262.9
27.5°	378.7	377.0	370.9	363.1	352.6	338.7	324.7	309.1	292.5	275.1	255.1
30°	371.8	369.1	363.9	356.1	344.8	330.8	316.0	299.5	282.1	263.8	243.8
32.5°	359.6	357.8	352.6	343.9	332.6	318.7	303.9	286.4	269.0	250.7	230.7
35°	344.8	341.3	336.1	328.2	316.9	303.0	288.2	269.9	253.4	235.1	215.9
37.5°	323.9	323.0	316.9	310.8	299.5	284.7	270.8	253.4	236.8	219.4	200.2
40°	303.9	302.1	296.9	289.9	278.6	265.5	250.7	235.1	218.5	202.0	184.6
42.5°	281.2	278.6	275.1	268.2	257.7	244.6	230.7	215.0	200.2	184.6	168.9
45°	253.4	252.5	248.1	244.6	235.1	223.8	209.8	195.9	181.1	168.9	156.7
47.5°	217.7	216.8	215.9	213.3	208.1	200.2	189.8	176.7	165.4	153.2	136.7
50°	186.3	185.4	183.7	182.8	178.5	174.1	166.3	158.5	148.9	134.9	121.9
52.5°	148.0	148.9	151.5	152.4	151.5	148.0	144.5	141.9	128.9	120.1	108.0
55°	121.0	121.0	120.1	121.0	121.9	123.6	123.6	120.1	111.4	103.6	93.2
57.5°	99.3	99.3	99.3	99.3	99.3	100.1	100.1	99.3	94.9	87.1	77.5
60°	81.8	81.0	81.0	81.8	81.0	81.0	81.8	81.8	77.5	71.4	62.7
62.5°	66.2	66.2	66.2	65.3	65.3	66.2	66.2	65.3	61.8	55.7	49.6
65°	52.2	52.2	52.2	52.2	52.2	53.1	52.2	51.4	47.9	43.5	39.2
67.5°	40.0	40.0	40.9	40.0	40.9	40.9	40.9	39.2	36.6	33.1	30.5
70°	29.6	29.6	29.6	30.5	31.3	31.3	30.5	28.7	27.0	25.2	22.6
72.5°	20.0	20.9	20.9	20.9	21.8	21.8	20.9	20.0	19.2	17.4	16.5
75°	13.1	12.2	13.1	13.1	13.9	13.9	13.1	13.1	12.2	11.3	10.4
77.5°	6.1	6.1	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.1	6.1
80°	1.7	1.7	1.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
82.5°	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6
2.5°	200.2	197.6	194.2	184.6	175.9	168.0	163.7	162.8
5°	214.2	210.7	202.0	182.0	165.4	152.4	144.5	142.8
7.5°	229.0	222.0	209.8	178.5	155.0	138.4	129.7	127.1
10°	240.3	231.6	215.0	174.1	144.5	127.1	116.7	113.2
12.5°	248.1	237.7	219.4	168.9	135.8	114.9	104.5	101.0
15°	252.5	241.2	220.3	161.1	125.4	105.3	94.0	91.4
17.5°	254.2	241.2	218.5	155.0	115.8	95.8	85.3	81.8
20°	253.4	237.7	214.2	146.3	107.1	87.1	76.6	74.0
22.5°	249.9	232.5	207.2	137.6	98.4	78.4	69.7	67.9
25°	244.6	225.5	199.4	129.7	90.5	72.3	63.6	61.8
27.5°	235.9	216.8	188.9	121.0	83.6	66.2	58.3	55.7
30°	224.6	206.3	178.5	112.3	76.6	60.1	53.1	51.4
32.5°	212.4	194.2	168.0	103.6	70.5	55.7	48.8	47.0
35°	198.5	181.1	155.0	94.9	64.4	51.4	44.4	43.5
37.5°	184.6	167.2	143.7	87.9	59.2	47.0	40.9	40.0
40°	168.9	155.0	137.6	80.1	54.9	43.5	38.3	36.6
42.5°	159.3	140.2	118.4	73.1	50.5	40.0	34.8	34.0
45°	138.4	124.5	107.1	66.2	46.1	36.6	32.2	31.3
47.5°	124.5	112.3	95.8	59.2	42.7	34.0	29.6	28.7
50°	110.6	99.3	83.6	52.2	39.2	31.3	27.0	26.1
52.5°	96.6	85.3	71.4	46.1	34.8	28.7	24.4	23.5
55°	82.7	72.3	59.2	40.0	31.3	26.1	22.6	20.9
57.5°	67.9	59.2	50.5	35.7	27.9	23.5	20.0	18.3
60°	54.9	49.6	42.7	31.3	24.4	20.9	17.4	16.5
62.5°	44.4	40.0	35.7	27.0	21.8	18.3	15.7	13.1
65°	35.7	33.1	29.6	21.8	18.3	15.7	13.1	10.4
67.5°	27.9	26.1	23.5	18.3	14.8	13.1	9.6	7.8
70°	21.8	20.0	18.3	13.1	11.3	9.6	7.0	5.2
72.5°	15.7	13.9	13.1	9.6	7.8	7.0	4.4	2.6
75°	9.6	9.6	7.8	5.2	4.4	3.5	1.7	0.9
77.5°	5.2	5.2	4.4	2.6	2.6	0.9	0.0	0.0
80°	2.6	1.7	1.7	0.9	0.9	0.0	0.0	0.0
82.5°	0.9	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)