

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: P1311402

Luminaire Tested: LDSQA3D09R709040DE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311402
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: LDSQA3D09R709040DE010 3LSQCLSWWR 1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCLSWWR 1MMS T
Light Source: -
Ballast/Driver: -

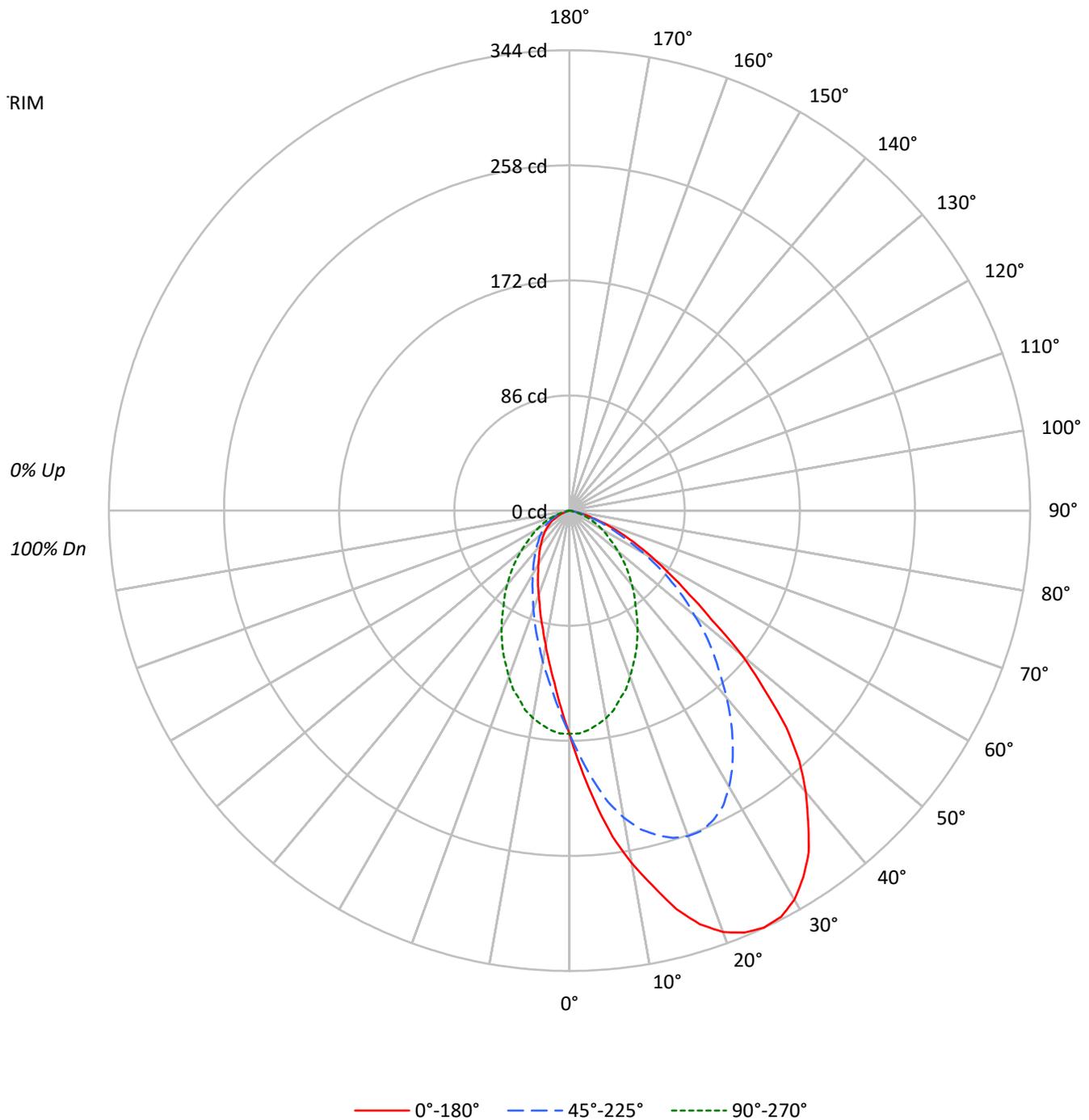
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 374.0 lumens
Efficiency: N/A
Efficacy: 33.7 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): 11.1
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89	89	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	77	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67	67	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59	59	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	52	52
6	75	63	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46	46	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42	42	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38	38	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34	34	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	28710	28710	28710	28710	28710
5°	37809	34939	28422	23788	22302
10°	46763	40712	27509	20076	17873
15°	54969	44735	25942	16974	14727
20°	61416	47432	24211	14424	12261
25°	65312	48419	22271	12409	10603
30°	66779	47390	20185	10798	9227
35°	65491	44656	18018	9755	8263
40°	61713	41030	16277	8835	7419
45°	55751	37167	14565	8037	6893
50°	45093	32661	12646	7582	6323
55°	32819	28104	10869	7086	5675
60°	25455	22217	9748	6510	5132
65°	19235	16015	8028	5787	3831
70°	13445	11481	5942	4381	2367
75°	7852	6787	3127	2063	532
80°	1587	2380	793	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 55751 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.3	4.4
10°-20°	48.6	13.0
20°-30°	73.3	19.6
30°-40°	81.4	21.8
40°-50°	72.2	19.3
50°-60°	49.0	13.1
60°-70°	25.7	6.9
70°-80°	7.3	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°	138.2	36.9
0°-40°	219.6	58.7
0°-60°	340.8	91.1
0°-90°	374.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	374.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	167	167	167	167	167	
5°	219	202	164	138	129	22
15°	308	251	146	95	83	88
25°	344	255	117	65	56	158
35°	312	212	86	46	39	193
45°	229	153	60	33	28	173
55°	109	94	36	24	19	101
65°	47	39	20	14	9	48
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°	166.7	166.7	166.7	166.7	166.7	166.7	166.7	166.7	166.7	166.7	166.7
2.5°	191.9	191.1	190.3	190.3	189.6	188.8	187.2	187.2	185.6	184.0	182.5
5°	218.7	218.7	218.7	216.3	216.3	213.1	211.6	208.4	205.3	202.1	198.2
7.5°	245.4	245.4	243.0	242.2	239.9	236.7	234.4	229.7	224.2	219.4	213.1
10°	267.4	267.4	265.1	263.5	258.8	255.6	250.9	245.4	239.9	232.8	224.9
12.5°	287.1	287.9	284.7	281.6	276.9	272.1	265.8	258.8	251.7	243.8	233.6
15°	308.3	307.5	303.6	299.7	294.2	287.1	279.2	269.8	260.3	250.9	239.9
17.5°	324.0	323.3	319.3	314.6	307.5	298.9	290.2	279.2	268.2	256.4	243.0
20°	335.1	334.3	330.3	324.0	317.0	307.5	297.3	284.7	272.9	258.8	243.8
22.5°	341.3	340.6	335.8	330.3	321.7	311.5	300.4	287.1	273.7	258.8	242.2
25°	343.7	342.1	337.4	331.1	322.5	311.5	298.9	284.7	270.6	254.8	237.5
27.5°	342.1	340.6	335.1	328.0	318.5	306.0	293.4	279.2	264.3	248.5	230.4
30°	335.8	333.5	328.8	321.7	311.5	298.9	285.5	270.6	254.8	238.3	220.2
32.5°	324.8	323.3	318.5	310.7	300.4	287.9	274.5	258.8	243.0	226.5	208.4
35°	311.5	308.3	303.6	296.5	286.3	273.7	260.3	243.8	228.9	212.4	195.1
37.5°	292.6	291.8	286.3	280.8	270.6	257.2	244.6	228.9	213.9	198.2	180.9
40°	274.5	272.9	268.2	261.9	251.7	239.9	226.5	212.4	197.4	182.5	166.7
42.5°	254.0	251.7	248.5	242.2	232.8	221.0	208.4	194.3	180.9	166.7	152.6
45°	228.9	228.1	224.2	221.0	212.4	202.1	189.6	177.0	163.6	152.6	141.6
47.5°	196.6	195.8	195.1	192.7	188.0	180.9	171.5	159.7	149.4	138.4	123.5
50°	168.3	167.5	166.0	165.2	161.2	157.3	150.2	143.1	134.5	121.9	110.1
52.5°	133.7	134.5	136.9	137.6	136.9	133.7	130.6	128.2	116.4	108.5	97.5
55°	109.3	109.3	108.5	109.3	110.1	111.7	111.7	108.5	100.7	93.6	84.2
57.5°	89.7	89.7	89.7	89.7	89.7	90.4	90.4	89.7	85.7	78.7	70.0
60°	73.9	73.1	73.1	73.9	73.1	73.1	73.9	73.9	70.0	64.5	56.6
62.5°	59.8	59.8	59.8	59.0	59.0	59.8	59.8	59.0	55.8	50.3	44.8
65°	47.2	47.2	47.2	47.2	47.2	48.0	47.2	46.4	43.3	39.3	35.4
67.5°	36.2	36.2	37.0	36.2	37.0	37.0	37.0	35.4	33.0	29.9	27.5
70°	26.7	26.7	26.7	27.5	28.3	28.3	27.5	26.0	24.4	22.8	20.4
72.5°	18.1	18.9	18.9	18.9	19.7	19.7	18.9	18.1	17.3	15.7	14.9
75°	11.8	11.0	11.8	11.8	12.6	12.6	11.8	11.8	11.0	10.2	9.4
77.5°	5.5	5.5	6.3	6.3	6.3	6.3	6.3	6.3	6.3	5.5	5.5
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°	166.7	166.7	166.7	166.7	166.7	166.7	166.7	166.7
2.5°	180.9	178.5	175.4	166.7	158.9	151.8	147.9	147.1
5°	193.5	190.3	182.5	164.4	149.4	137.6	130.6	129.0
7.5°	206.9	200.6	189.6	161.2	140.0	125.1	117.2	114.8
10°	217.1	209.2	194.3	157.3	130.6	114.8	105.4	102.2
12.5°	224.2	214.7	198.2	152.6	122.7	103.8	94.4	91.2
15°	228.1	217.9	199.0	145.5	113.3	95.2	84.9	82.6
17.5°	229.7	217.9	197.4	140.0	104.6	86.5	77.1	73.9
20°	228.9	214.7	193.5	132.1	96.7	78.7	69.2	66.9
22.5°	225.7	210.0	187.2	124.3	88.9	70.8	62.9	61.3
25°	221.0	203.7	180.1	117.2	81.8	65.3	57.4	55.8
27.5°	213.1	195.8	170.7	109.3	75.5	59.8	52.7	50.3
30°	202.9	186.4	161.2	101.5	69.2	54.3	48.0	46.4
32.5°	191.9	175.4	151.8	93.6	63.7	50.3	44.0	42.5
35°	179.3	163.6	140.0	85.7	58.2	46.4	40.1	39.3
37.5°	166.7	151.0	129.8	79.4	53.5	42.5	37.0	36.2
40°	152.6	140.0	124.3	72.4	49.6	39.3	34.6	33.0
42.5°	143.9	126.6	107.0	66.1	45.6	36.2	31.5	30.7
45°	125.1	112.5	96.7	59.8	41.7	33.0	29.1	28.3
47.5°	112.5	101.5	86.5	53.5	38.5	30.7	26.7	26.0
50°	99.9	89.7	75.5	47.2	35.4	28.3	24.4	23.6
52.5°	87.3	77.1	64.5	41.7	31.5	26.0	22.0	21.2
55°	74.7	65.3	53.5	36.2	28.3	23.6	20.4	18.9
57.5°	61.3	53.5	45.6	32.2	25.2	21.2	18.1	16.5
60°	49.6	44.8	38.5	28.3	22.0	18.9	15.7	14.9
62.5°	40.1	36.2	32.2	24.4	19.7	16.5	14.2	11.8
65°	32.2	29.9	26.7	19.7	16.5	14.2	11.8	9.4
67.5°	25.2	23.6	21.2	16.5	13.4	11.8	8.7	7.1
70°	19.7	18.1	16.5	11.8	10.2	8.7	6.3	4.7
72.5°	14.2	12.6	11.8	8.7	7.1	6.3	3.9	2.4
75°	8.7	8.7	7.1	4.7	3.9	3.1	1.6	0.8
77.5°	4.7	4.7	3.9	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)