

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: P1311403

Luminaire Tested: LDSQA3D09R709040DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709040DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

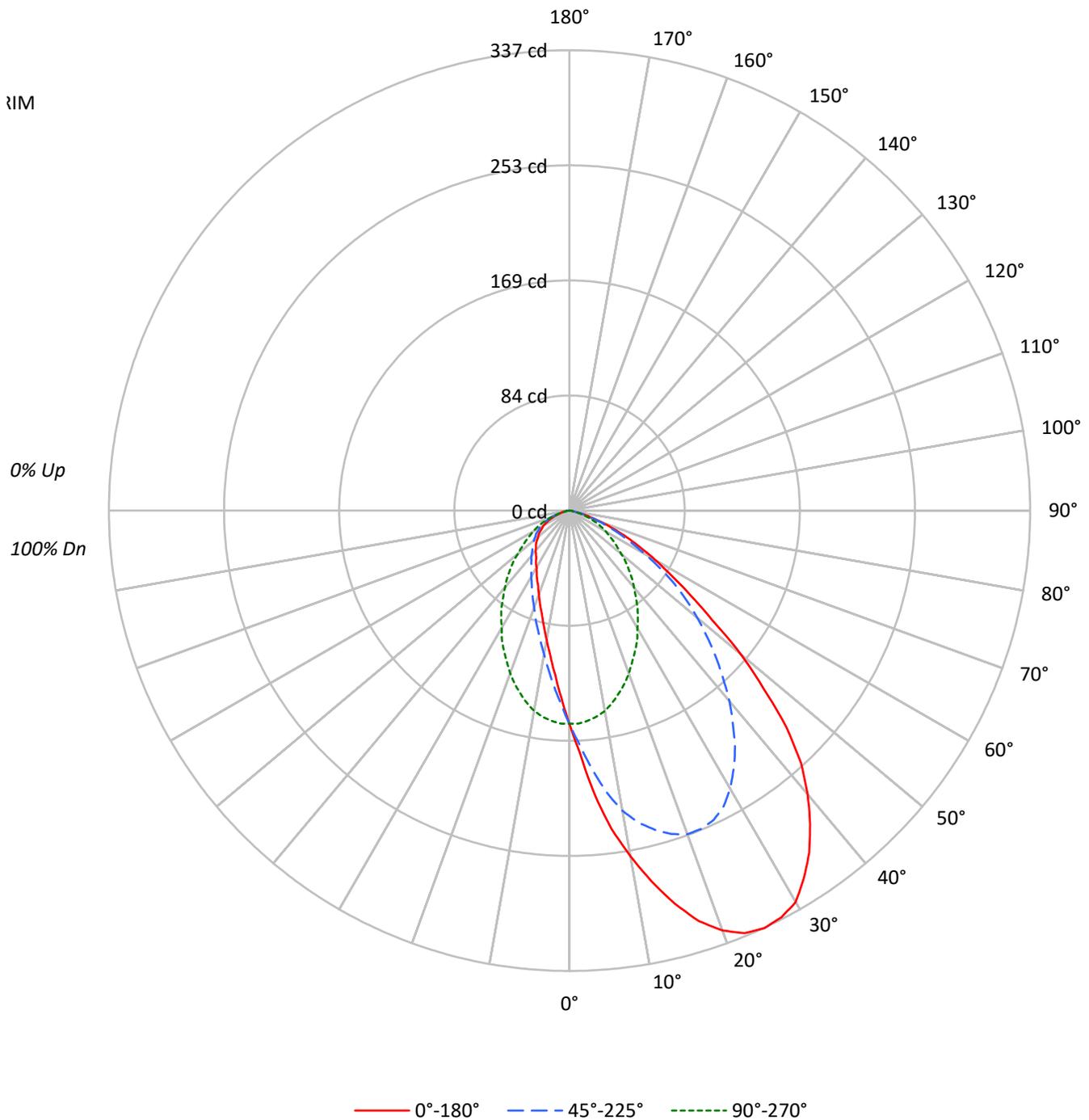
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 381.0 lumens
Efficiency: N/A
Efficacy: 34.3 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
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 (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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	88	
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	78	76	
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	68	66	
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	60	58	
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	53	51	
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	47	45	
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	42	40	
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	38	36	
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	35	33	
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	32	30	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	26867	26867	26867	26867	26867
5°	35959	32830	26693	22336	20832
10°	44909	38998	26040	18730	16806
15°	53097	43130	24730	16011	13907
20°	59931	46204	23239	13856	11986
25°	64077	47450	21549	12276	10622
30°	65805	46694	19747	11117	9565
35°	64272	44383	18228	10260	8935
40°	60926	40917	16479	9735	8678
45°	54679	36851	14979	9401	8452
50°	43914	32714	13289	9083	8011
55°	32398	28164	11830	8978	7807
60°	24972	21976	10574	8680	7612
65°	18949	16382	9291	8028	6724
70°	12689	11481	7150	7150	5539
75°	6787	6787	4724	4724	4192
80°	1587	3174	2380	3174	3868
85°	0	1581	1581	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 54679 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.4	4.0
10°-20°	46.8	12.3
20°-30°	72.1	18.9
30°-40°	81.8	21.5
40°-50°	74.0	19.4
50°-60°	51.8	13.6
60°-70°	28.4	7.5
70°-80°	9.5	2.5
80°-90°	1.3	0.3
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°	134.2	35.2
0°-40°	216.0	56.7
0°-60°	341.8	89.7
0°-90°	381.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	381.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	156	156	156	156	156	
5°	208	190	154	129	120	21
15°	298	242	139	90	78	85
25°	337	250	113	65	56	155
35°	306	211	87	49	42	190
45°	224	151	62	39	35	170
55°	108	94	39	30	26	99
65°	46	40	23	20	16	46
75°	10	10	7	7	6	12
85°	0	1	1	2	2	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°	156.0	156.0	156.0	156.0	156.0	156.0	156.0	156.0	156.0	156.0	156.0
2.5°	178.1	179.6	180.4	178.8	178.1	177.3	175.7	174.9	173.3	171.7	171.0
5°	208.0	208.0	208.0	206.4	204.1	202.5	199.3	197.0	193.0	189.9	186.7
7.5°	234.8	234.8	234.0	231.6	230.0	226.1	222.2	219.0	212.7	208.0	201.7
10°	256.8	256.8	256.0	252.1	249.7	245.0	241.1	235.6	229.3	223.0	215.9
12.5°	278.1	278.1	275.0	271.8	267.1	260.8	255.3	249.7	241.1	234.0	225.3
15°	297.8	297.8	296.2	290.7	284.4	277.3	269.4	261.6	251.3	241.9	232.4
17.5°	315.1	314.3	312.0	305.7	299.4	290.7	281.3	271.8	259.2	248.2	236.4
20°	327.0	327.0	323.8	316.7	309.6	300.2	289.9	278.9	265.5	252.1	237.9
22.5°	334.8	334.0	330.9	323.8	315.1	305.7	293.9	282.0	267.1	252.1	237.1
25°	337.2	336.4	333.3	325.4	316.7	306.5	293.9	281.3	265.5	249.7	233.2
27.5°	335.6	334.8	331.7	323.0	314.3	302.5	289.9	276.5	260.8	244.2	227.7
30°	330.9	328.5	325.4	317.5	308.0	296.2	282.8	267.9	252.1	234.8	218.2
32.5°	319.1	319.1	315.1	307.3	297.8	285.2	271.8	257.6	240.3	223.7	206.4
35°	305.7	304.9	301.7	293.1	284.4	272.6	259.2	244.2	227.7	211.1	194.6
37.5°	289.1	288.3	285.2	277.3	267.9	256.8	242.7	228.5	212.7	196.2	181.2
40°	271.0	269.4	265.5	259.2	251.3	238.7	226.1	211.9	197.0	182.0	167.0
42.5°	250.5	249.0	245.8	241.1	231.6	220.6	208.8	195.4	181.2	166.2	155.2
45°	224.5	224.5	223.0	218.2	211.1	202.5	189.9	178.1	164.7	151.3	139.4
47.5°	192.2	193.8	193.0	190.7	187.5	179.6	171.0	160.7	148.1	136.3	125.3
50°	163.9	164.7	165.4	163.9	161.5	156.0	150.5	144.2	133.1	122.1	111.9
52.5°	131.6	133.9	133.9	134.7	134.7	133.1	131.6	124.5	119.0	107.9	98.5
55°	107.9	107.9	107.9	109.5	110.3	111.1	109.5	107.9	101.6	93.8	85.1
57.5°	88.2	88.2	89.8	89.0	89.0	90.6	90.6	89.8	85.9	78.8	70.9
60°	72.5	72.5	72.5	72.5	73.3	73.3	73.3	73.3	70.1	63.8	57.5
62.5°	58.3	58.3	58.3	59.1	59.1	59.1	59.9	59.1	55.9	51.2	45.7
65°	46.5	45.7	46.5	46.5	47.3	47.3	47.3	46.5	43.3	40.2	36.2
67.5°	34.7	35.5	35.5	35.5	36.2	37.0	36.2	35.5	33.1	29.9	28.4
70°	25.2	26.0	26.0	26.0	26.8	27.6	26.8	26.0	24.4	22.8	21.3
72.5°	16.5	17.3	17.3	18.1	18.9	18.9	18.1	18.1	17.3	15.8	15.0
75°	10.2	10.2	11.0	11.0	11.8	11.8	11.8	11.0	11.0	10.2	10.2
77.5°	4.7	4.7	5.5	5.5	5.5	6.3	6.3	6.3	6.3	6.3	5.5
80°	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4	3.2	3.2	3.2
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
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°	156.0	156.0	156.0	156.0	156.0	156.0	156.0	156.0
2.5°	169.4	167.0	163.9	156.0	148.1	141.8	137.9	137.1
5°	182.8	178.8	171.7	154.4	140.2	129.2	122.9	120.5
7.5°	196.2	189.1	178.8	152.1	130.8	117.4	110.3	107.1
10°	207.2	198.5	185.1	148.9	122.9	107.1	98.5	96.1
12.5°	215.9	205.6	189.1	144.2	115.0	97.7	89.0	86.7
15°	221.4	210.4	191.4	138.7	107.1	89.8	81.1	78.0
17.5°	223.7	210.4	190.7	133.1	100.1	82.7	74.1	71.7
20°	223.7	208.8	188.3	126.8	93.0	75.6	67.8	65.4
22.5°	221.4	205.6	182.8	119.8	86.7	70.1	62.2	59.9
25°	216.7	199.3	176.5	113.4	80.4	64.6	57.5	55.9
27.5°	209.6	192.2	168.6	107.1	74.8	59.9	53.6	52.0
30°	200.9	183.6	159.9	99.3	69.3	55.9	50.4	48.1
32.5°	189.9	173.3	150.5	93.0	64.6	52.0	47.3	45.7
35°	178.1	163.1	140.2	86.7	59.9	48.8	44.1	42.5
37.5°	166.2	150.5	131.6	79.6	55.9	45.7	41.8	40.2
40°	153.6	141.8	122.1	73.3	52.8	43.3	39.4	38.6
42.5°	141.0	128.4	108.7	67.8	48.8	40.2	37.0	36.2
45°	126.1	114.2	98.5	61.5	45.7	38.6	35.5	34.7
47.5°	113.4	102.4	88.2	55.9	42.5	36.2	33.1	32.3
50°	101.6	90.6	77.2	49.6	39.4	33.9	31.5	29.9
52.5°	88.2	78.8	67.0	44.1	36.2	31.5	29.2	28.4
55°	76.4	67.0	55.9	39.4	33.1	29.9	26.8	26.0
57.5°	63.0	55.1	47.3	34.7	29.9	26.8	25.2	23.6
60°	51.2	45.7	40.2	30.7	26.8	25.2	22.8	22.1
62.5°	41.8	37.8	33.9	26.8	23.6	22.1	20.5	18.9
65°	33.1	30.7	27.6	22.8	20.5	19.7	18.1	16.5
67.5°	26.0	24.4	22.1	18.1	17.3	16.5	15.0	13.4
70°	19.7	18.9	17.3	14.2	13.4	14.2	12.6	11.0
72.5°	14.2	13.4	12.6	10.2	10.2	10.2	9.5	7.9
75°	9.5	8.7	7.9	7.1	7.1	7.1	7.1	6.3
77.5°	5.5	5.5	4.7	3.9	4.7	4.7	5.5	5.5
80°	2.4	2.4	2.4	2.4	3.2	3.2	3.9	3.9
82.5°	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4
85°	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)