

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: P1318299

Luminaire Tested: LDSQA3D09R709830DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318299
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: LDSQA3D09R709830DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

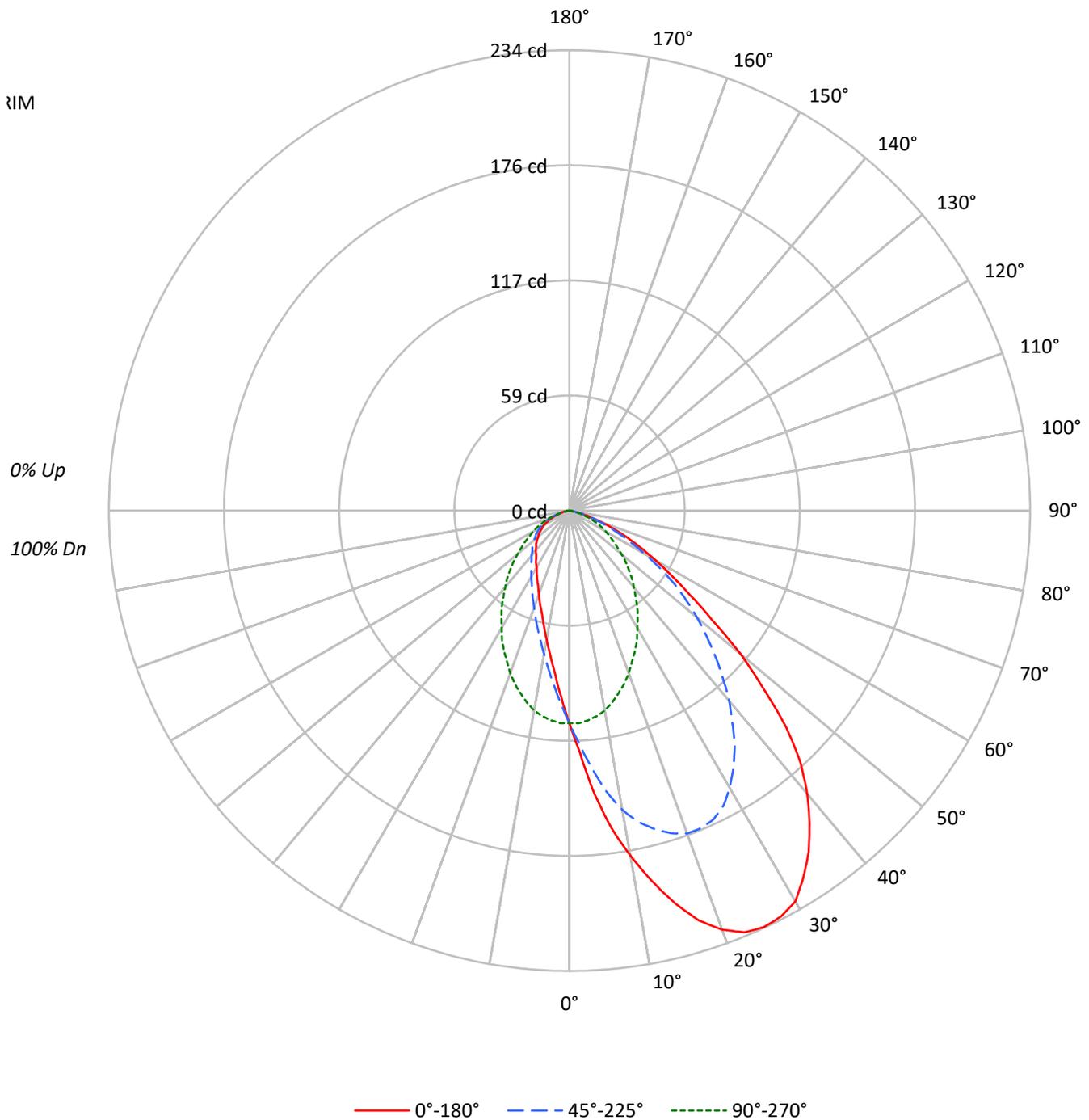
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 264.0 lumens
Efficiency: N/A
Efficacy: 24.0 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
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	100		
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88		
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76		
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66		
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58		
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51		
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45		
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40		
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36		
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33		
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	18617	18617	18617	18617	18617
5°	24912	22751	18498	15473	14436
10°	31129	27019	18048	12976	11647
15°	36801	29883	17134	11090	9628
20°	41530	32018	16110	9604	8302
25°	44390	32894	14936	8513	7373
30°	45600	32355	13682	7716	6622
35°	44530	30759	12615	7106	6202
40°	42221	28350	11421	6745	6003
45°	37898	25525	10376	6503	5845
50°	30410	22667	9217	6296	5546
55°	22460	19517	8197	6215	5405
60°	17291	15224	7337	6028	5270
65°	13122	11329	6439	5542	4686
70°	8812	7956	4935	4935	3827
75°	4724	4724	3261	3261	2928
80°	1091	2182	1587	2182	2678
85°	0	988	988	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 37898 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	4.0
10°-20°	32.4	12.3
20°-30°	49.9	18.9
30°-40°	56.7	21.5
40°-50°	51.3	19.4
50°-60°	35.9	13.6
60°-70°	19.7	7.5
70°-80°	6.6	2.5
80°-90°	0.8	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°	93.0	35.2
0°-40°	149.7	56.7
0°-60°	236.8	89.7
0°-90°	264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	264.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	108	108	108	108	108	
5°	144	132	107	90	84	15
15°	206	168	96	62	54	59
25°	234	173	79	45	39	107
35°	212	146	60	34	30	132
45°	156	105	43	27	24	118
55°	75	65	27	21	18	69
65°	32	28	16	14	12	32
75°	7	7	5	5	4	8
85°	0	0	0	1	1	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°	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1
2.5°	123.4	124.5	125.0	123.9	123.4	122.8	121.7	121.2	120.1	119.0	118.5
5°	144.1	144.1	144.1	143.0	141.4	140.3	138.1	136.5	133.7	131.6	129.4
7.5°	162.7	162.7	162.1	160.5	159.4	156.7	153.9	151.8	147.4	144.1	139.8
10°	178.0	178.0	177.4	174.7	173.1	169.8	167.0	163.2	158.9	154.5	149.6
12.5°	192.7	192.7	190.5	188.3	185.1	180.7	176.9	173.1	167.0	162.1	156.1
15°	206.4	206.4	205.3	201.4	197.1	192.2	186.7	181.2	174.1	167.6	161.0
17.5°	218.4	217.8	216.2	211.8	207.4	201.4	194.9	188.3	179.6	172.0	163.8
20°	226.6	226.6	224.4	219.5	214.5	208.0	200.9	193.2	184.0	174.7	164.9
22.5°	232.0	231.5	229.3	224.4	218.4	211.8	203.6	195.4	185.1	174.7	164.3
25°	233.6	233.1	230.9	225.5	219.5	212.4	203.6	194.9	184.0	173.1	161.6
27.5°	232.6	232.0	229.8	223.8	217.8	209.6	200.9	191.6	180.7	169.2	157.8
30°	229.3	227.6	225.5	220.0	213.4	205.3	196.0	185.6	174.7	162.7	151.2
32.5°	221.1	221.1	218.4	212.9	206.4	197.6	188.3	178.5	166.5	155.0	143.0
35°	211.8	211.3	209.1	203.1	197.1	188.9	179.6	169.2	157.8	146.3	134.8
37.5°	200.3	199.8	197.6	192.2	185.6	178.0	168.1	158.3	147.4	135.9	125.6
40°	187.8	186.7	184.0	179.6	174.1	165.4	156.7	146.8	136.5	126.1	115.7
42.5°	173.6	172.5	170.3	167.0	160.5	152.9	144.7	135.4	125.6	115.2	107.5
45°	155.6	155.6	154.5	151.2	146.3	140.3	131.6	123.4	114.1	104.8	96.6
47.5°	133.2	134.3	133.7	132.1	129.9	124.5	118.5	111.4	102.6	94.4	86.8
50°	113.5	114.1	114.6	113.5	111.9	108.1	104.3	99.9	92.3	84.6	77.5
52.5°	91.2	92.8	92.8	93.3	93.3	92.3	91.2	86.3	82.4	74.8	68.2
55°	74.8	74.8	74.8	75.9	76.4	77.0	75.9	74.8	70.4	65.0	59.0
57.5°	61.1	61.1	62.2	61.7	61.7	62.8	62.8	62.2	59.5	54.6	49.1
60°	50.2	50.2	50.2	50.2	50.8	50.8	50.8	50.8	48.6	44.2	39.9
62.5°	40.4	40.4	40.4	40.9	40.9	40.9	41.5	40.9	38.8	35.5	31.7
65°	32.2	31.7	32.2	32.2	32.8	32.8	32.8	32.2	30.0	27.8	25.1
67.5°	24.0	24.6	24.6	24.6	25.1	25.7	25.1	24.6	22.9	20.7	19.7
70°	17.5	18.0	18.0	18.0	18.6	19.1	18.6	18.0	16.9	15.8	14.7
72.5°	11.5	12.0	12.0	12.6	13.1	13.1	12.6	12.6	12.0	10.9	10.4
75°	7.1	7.1	7.6	7.6	8.2	8.2	8.2	7.6	7.6	7.1	7.1
77.5°	3.3	3.3	3.8	3.8	3.8	4.4	4.4	4.4	4.4	4.4	3.8
80°	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6	2.2	2.2	2.2
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
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°	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1
2.5°	117.4	115.7	113.5	108.1	102.6	98.3	95.5	95.0
5°	126.6	123.9	119.0	107.0	97.2	89.5	85.2	83.5
7.5°	135.9	131.0	123.9	105.4	90.6	81.3	76.4	74.2
10°	143.6	137.6	128.3	103.2	85.2	74.2	68.2	66.6
12.5°	149.6	142.5	131.0	99.9	79.7	67.7	61.7	60.0
15°	153.4	145.8	132.7	96.1	74.2	62.2	56.2	54.0
17.5°	155.0	145.8	132.1	92.3	69.3	57.3	51.3	49.7
20°	155.0	144.7	130.5	87.9	64.4	52.4	46.9	45.3
22.5°	153.4	142.5	126.6	83.0	60.0	48.6	43.1	41.5
25°	150.1	138.1	122.3	78.6	55.7	44.8	39.9	38.8
27.5°	145.2	133.2	116.8	74.2	51.9	41.5	37.1	36.0
30°	139.2	127.2	110.8	68.8	48.0	38.8	34.9	33.3
32.5°	131.6	120.1	104.3	64.4	44.8	36.0	32.8	31.7
35°	123.4	113.0	97.2	60.0	41.5	33.8	30.6	29.5
37.5°	115.2	104.3	91.2	55.1	38.8	31.7	28.9	27.8
40°	106.5	98.3	84.6	50.8	36.6	30.0	27.3	26.7
42.5°	97.7	89.0	75.3	46.9	33.8	27.8	25.7	25.1
45°	87.3	79.2	68.2	42.6	31.7	26.7	24.6	24.0
47.5°	78.6	71.0	61.1	38.8	29.5	25.1	22.9	22.4
50°	70.4	62.8	53.5	34.4	27.3	23.5	21.8	20.7
52.5°	61.1	54.6	46.4	30.6	25.1	21.8	20.2	19.7
55°	53.0	46.4	38.8	27.3	22.9	20.7	18.6	18.0
57.5°	43.7	38.2	32.8	24.0	20.7	18.6	17.5	16.4
60°	35.5	31.7	27.8	21.3	18.6	17.5	15.8	15.3
62.5°	28.9	26.2	23.5	18.6	16.4	15.3	14.2	13.1
65°	22.9	21.3	19.1	15.8	14.2	13.6	12.6	11.5
67.5°	18.0	16.9	15.3	12.6	12.0	11.5	10.4	9.3
70°	13.6	13.1	12.0	9.8	9.3	9.8	8.7	7.6
72.5°	9.8	9.3	8.7	7.1	7.1	7.1	6.6	5.5
75°	6.6	6.0	5.5	4.9	4.9	4.9	4.9	4.4
77.5°	3.8	3.8	3.3	2.7	3.3	3.3	3.8	3.8
80°	1.6	1.6	1.6	1.6	2.2	2.2	2.7	2.7
82.5°	1.1	1.1	1.1	1.1	1.6	1.6	1.6	1.6
85°	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)