

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: P1309166

Luminaire Tested: LDSQA3D09R709030DE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309166
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: LDSQA3D09R709030DE010 3LSQCLSWWR 1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCLSWWR 1MMS T
Light Source: -
Ballast/Driver: -

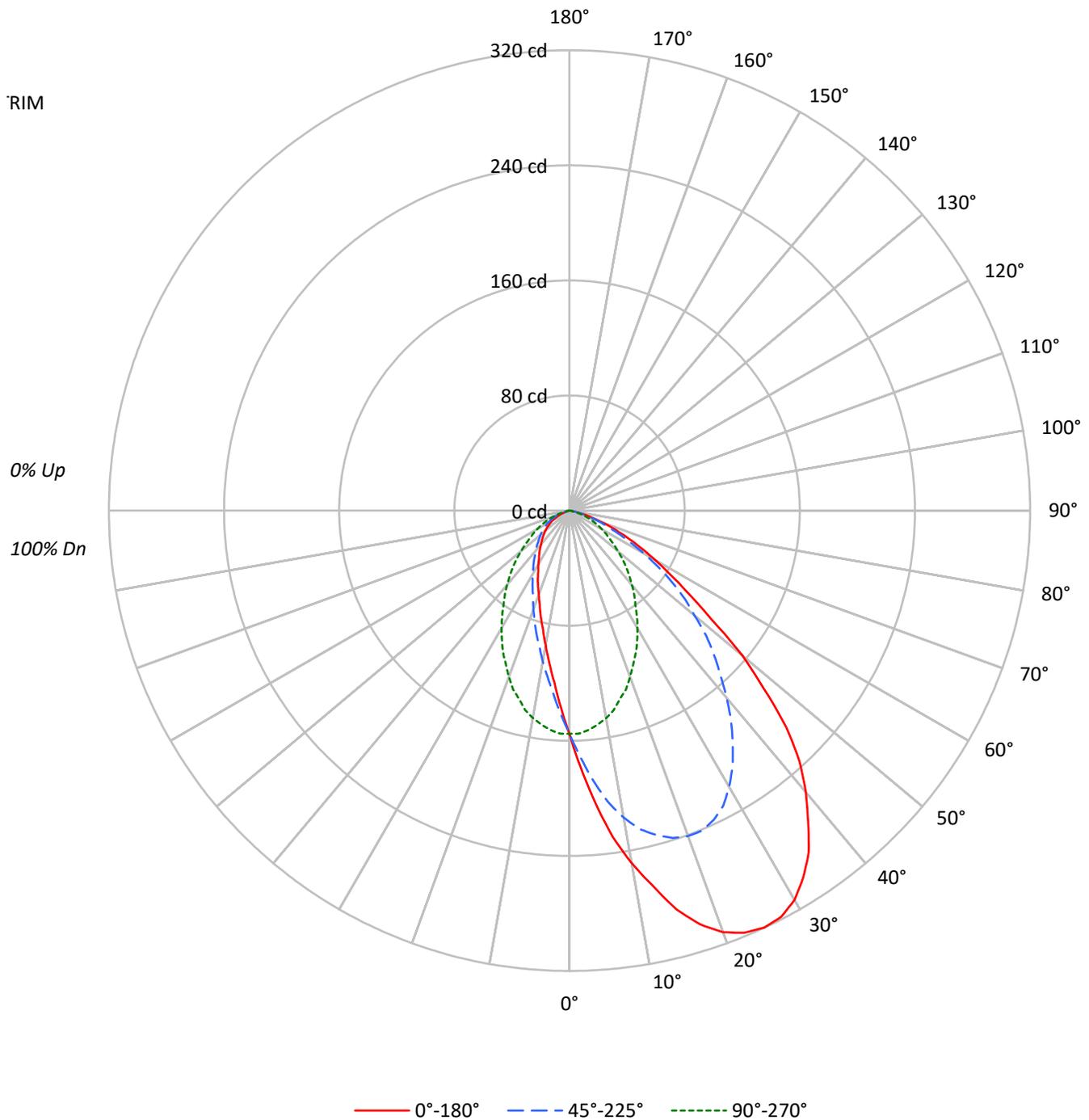
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 348.0 lumens
Efficiency: N/A
Efficacy: 31.4 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): 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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89				
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77				
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67				
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59				
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52				
6	75	63	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46				
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42				
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38				
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34				
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	26712	26712	26712	26712	26712
5°	35181	32519	26451	22146	20746
10°	43510	37879	25602	18677	16631
15°	51154	41633	24142	15797	13693
20°	57145	44133	22525	13416	11400
25°	60771	45055	20713	11535	9881
30°	62145	44088	18773	10043	8591
35°	60929	41544	16778	9083	7695
40°	57419	38175	15130	8228	6902
45°	51878	34585	13542	7477	6406
50°	41958	30383	11762	7047	5894
55°	30537	26153	10119	6606	5285
60°	23698	20667	9059	6062	4788
65°	17890	14915	7457	5379	3586
70°	12538	10675	5539	4079	2216
75°	7320	6321	2928	1930	466
80°	1488	2182	694	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 51878 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.2	4.4
10°-20°	45.2	13.0
20°-30°	68.2	19.6
30°-40°	75.8	21.8
40°-50°	67.2	19.3
50°-60°	45.6	13.1
60°-70°	23.9	6.9
70°-80°	6.8	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°	128.6	36.9
0°-40°	204.3	58.7
0°-60°	317.1	91.1
0°-90°	348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	348.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	155	155	155	155	155	
5°	204	188	153	128	120	21
15°	287	234	135	89	77	81
25°	320	237	109	61	52	147
35°	290	198	80	43	37	180
45°	213	142	56	31	26	161
55°	102	87	34	22	18	94
65°	44	37	18	13	9	44
75°	11	10	4	3	1	12
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°	155.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1
2.5°	178.6	177.8	177.1	177.1	176.4	175.6	174.2	174.2	172.7	171.3	169.8
5°	203.5	203.5	203.5	201.3	201.3	198.3	196.9	193.9	191.0	188.1	184.4
7.5°	228.3	228.3	226.1	225.4	223.2	220.3	218.1	213.7	208.6	204.2	198.3
10°	248.8	248.8	246.6	245.2	240.8	237.8	233.5	228.3	223.2	216.6	209.3
12.5°	267.1	267.9	264.9	262.0	257.6	253.2	247.4	240.8	234.2	226.9	217.4
15°	286.9	286.1	282.5	278.8	273.7	267.1	259.8	251.0	242.2	233.5	223.2
17.5°	301.5	300.8	297.1	292.7	286.1	278.1	270.0	259.8	249.6	238.6	226.1
20°	311.8	311.0	307.4	301.5	294.9	286.1	276.6	264.9	253.9	240.8	226.9
22.5°	317.6	316.9	312.5	307.4	299.3	289.8	279.6	267.1	254.7	240.8	225.4
25°	319.8	318.4	314.0	308.1	300.1	289.8	278.1	264.9	251.8	237.1	221.0
27.5°	318.4	316.9	311.8	305.2	296.4	284.7	273.0	259.8	245.9	231.3	214.4
30°	312.5	310.3	305.9	299.3	289.8	278.1	265.7	251.8	237.1	221.7	204.9
32.5°	302.2	300.8	296.4	289.1	279.6	267.9	255.4	240.8	226.1	210.8	193.9
35°	289.8	286.9	282.5	275.9	266.4	254.7	242.2	226.9	213.0	197.6	181.5
37.5°	272.2	271.5	266.4	261.3	251.8	239.3	227.6	213.0	199.1	184.4	168.3
40°	255.4	253.9	249.6	243.7	234.2	223.2	210.8	197.6	183.7	169.8	155.1
42.5°	236.4	234.2	231.3	225.4	216.6	205.6	193.9	180.8	168.3	155.1	142.0
45°	213.0	212.2	208.6	205.6	197.6	188.1	176.4	164.7	152.2	142.0	131.7
47.5°	183.0	182.2	181.5	179.3	174.9	168.3	159.5	148.6	139.0	128.8	114.9
50°	156.6	155.9	154.4	153.7	150.0	146.4	139.8	133.2	125.1	113.4	102.5
52.5°	124.4	125.1	127.3	128.1	127.3	124.4	121.5	119.3	108.3	101.0	90.7
55°	101.7	101.7	101.0	101.7	102.5	103.9	103.9	101.0	93.7	87.1	78.3
57.5°	83.4	83.4	83.4	83.4	83.4	84.2	84.2	83.4	79.8	73.2	65.1
60°	68.8	68.1	68.1	68.8	68.1	68.1	68.8	68.8	65.1	60.0	52.7
62.5°	55.6	55.6	55.6	54.9	54.9	55.6	55.6	54.9	52.0	46.8	41.7
65°	43.9	43.9	43.9	43.9	43.9	44.6	43.9	43.2	40.3	36.6	32.9
67.5°	33.7	33.7	34.4	33.7	34.4	34.4	34.4	32.9	30.7	27.8	25.6
70°	24.9	24.9	24.9	25.6	26.3	26.3	25.6	24.2	22.7	21.2	19.0
72.5°	16.8	17.6	17.6	17.6	18.3	18.3	17.6	16.8	16.1	14.6	13.9
75°	11.0	10.2	11.0	11.0	11.7	11.7	11.0	11.0	10.2	9.5	8.8
77.5°	5.1	5.1	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.1	5.1
80°	1.5	1.5	1.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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°	155.1	155.1	155.1	155.1	155.1	155.1	155.1	155.1
2.5°	168.3	166.1	163.2	155.1	147.8	141.2	137.6	136.9
5°	180.0	177.1	169.8	153.0	139.0	128.1	121.5	120.0
7.5°	192.5	186.6	176.4	150.0	130.3	116.4	109.0	106.8
10°	202.0	194.7	180.8	146.4	121.5	106.8	98.1	95.1
12.5°	208.6	199.8	184.4	142.0	114.2	96.6	87.8	84.9
15°	212.2	202.7	185.2	135.4	105.4	88.6	79.0	76.8
17.5°	213.7	202.7	183.7	130.3	97.3	80.5	71.7	68.8
20°	213.0	199.8	180.0	122.9	90.0	73.2	64.4	62.2
22.5°	210.0	195.4	174.2	115.6	82.7	65.9	58.5	57.1
25°	205.6	189.5	167.6	109.0	76.1	60.7	53.4	52.0
27.5°	198.3	182.2	158.8	101.7	70.3	55.6	49.0	46.8
30°	188.8	173.4	150.0	94.4	64.4	50.5	44.6	43.2
32.5°	178.6	163.2	141.2	87.1	59.3	46.8	41.0	39.5
35°	166.9	152.2	130.3	79.8	54.2	43.2	37.3	36.6
37.5°	155.1	140.5	120.8	73.9	49.8	39.5	34.4	33.7
40°	142.0	130.3	115.6	67.3	46.1	36.6	32.2	30.7
42.5°	133.9	117.8	99.5	61.5	42.4	33.7	29.3	28.5
45°	116.4	104.7	90.0	55.6	38.8	30.7	27.1	26.3
47.5°	104.7	94.4	80.5	49.8	35.9	28.5	24.9	24.2
50°	92.9	83.4	70.3	43.9	32.9	26.3	22.7	22.0
52.5°	81.2	71.7	60.0	38.8	29.3	24.2	20.5	19.8
55°	69.5	60.7	49.8	33.7	26.3	22.0	19.0	17.6
57.5°	57.1	49.8	42.4	30.0	23.4	19.8	16.8	15.4
60°	46.1	41.7	35.9	26.3	20.5	17.6	14.6	13.9
62.5°	37.3	33.7	30.0	22.7	18.3	15.4	13.2	11.0
65°	30.0	27.8	24.9	18.3	15.4	13.2	11.0	8.8
67.5°	23.4	22.0	19.8	15.4	12.4	11.0	8.1	6.6
70°	18.3	16.8	15.4	11.0	9.5	8.1	5.9	4.4
72.5°	13.2	11.7	11.0	8.1	6.6	5.9	3.7	2.2
75°	8.1	8.1	6.6	4.4	3.7	2.9	1.5	0.7
77.5°	4.4	4.4	3.7	2.2	2.2	0.7	0.0	0.0
80°	2.2	1.5	1.5	0.7	0.7	0.0	0.0	0.0
82.5°	0.7	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)