

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: P1316356

Luminaire Tested: LDSQA3D05R709740DE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316356
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: LDSQA3D05R709740DE010 3LSQCLSWWR 1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCLSWWR 1MMS T
Light Source: -
Ballast/Driver: -

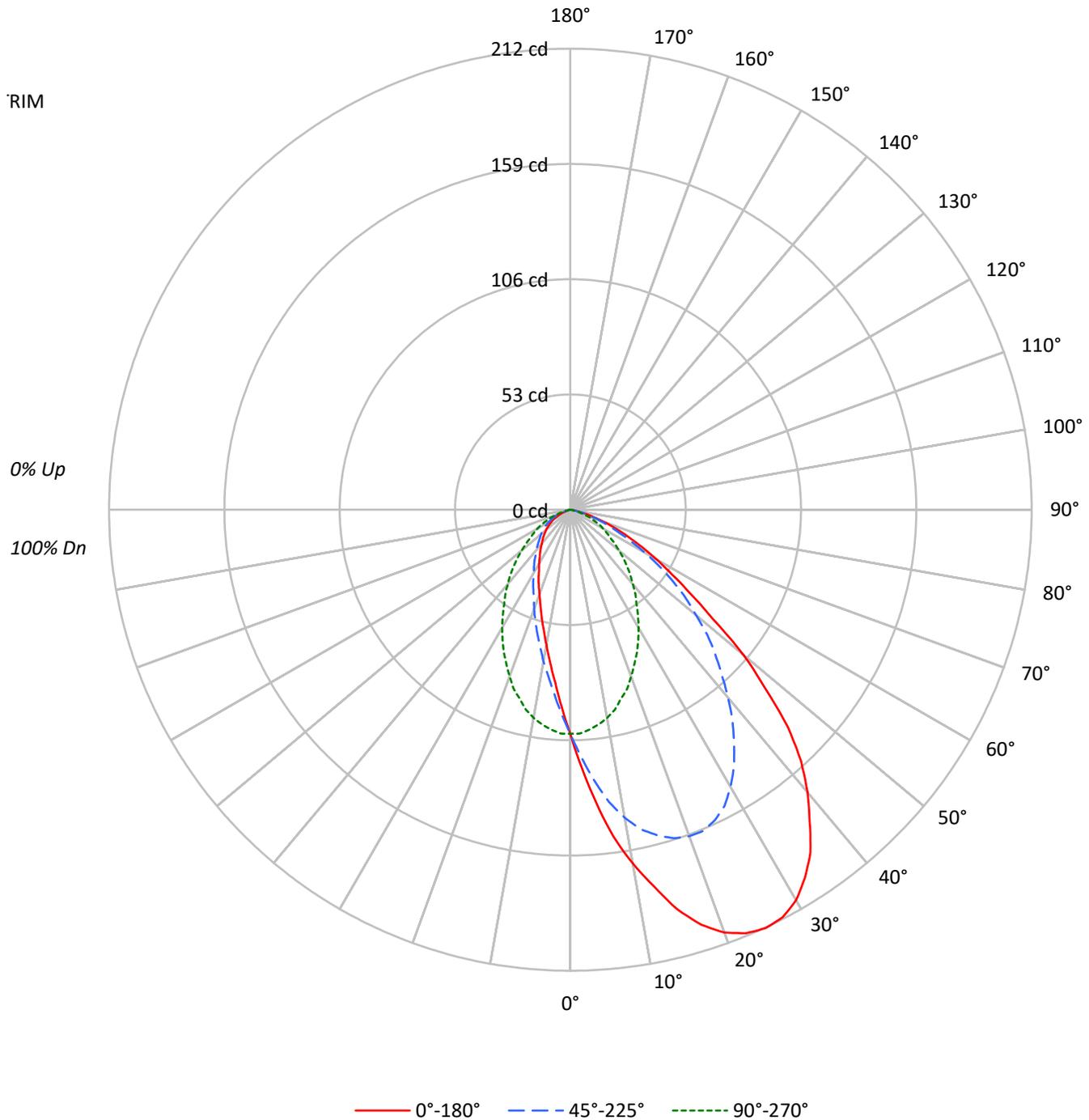
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 231.0 lumens
Efficiency: N/A
Efficacy: 32.1 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): 7.2
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	64	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°	17739	17739	17739	17739	17739
5°	23339	21575	17547	14695	13779
10°	28890	25148	16998	12399	11052
15°	33948	27636	16029	10484	9093
20°	37920	29287	14955	8907	7569
25°	40343	29910	13758	7658	6556
30°	41245	29273	12469	6662	5707
35°	40451	27584	11143	6034	5109
40°	38107	25337	10049	5463	4586
45°	34439	22943	8987	4969	4262
50°	27865	20175	7797	4689	3912
55°	20268	17355	6696	4384	3513
60°	15741	13709	6028	4030	3169
65°	11859	9903	4931	3545	2364
70°	8308	7100	3676	2669	1460
75°	4858	4192	1930	1264	333
80°	992	1488	496	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 34439 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	4.4
10°-20°	30.0	13.0
20°-30°	45.2	19.6
30°-40°	50.3	21.8
40°-50°	44.6	19.3
50°-60°	30.3	13.1
60°-70°	15.9	6.9
70°-80°	4.5	2.0
80°-90°	0.1	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°	85.3	36.9
0°-40°	135.6	58.7
0°-60°	210.5	91.1
0°-90°	231.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	231.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	103	103	103	103	103	
5°	135	125	102	85	80	14
15°	190	155	90	59	51	54
25°	212	157	72	40	34	97
35°	192	131	53	29	24	119
45°	141	94	37	20	18	107
55°	68	58	22	15	12	62
65°	29	24	12	9	6	29
75°	7	6	3	2	0	8
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°	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0
2.5°	118.5	118.0	117.6	117.6	117.1	116.6	115.6	115.6	114.6	113.7	112.7
5°	135.0	135.0	135.0	133.6	133.6	131.6	130.7	128.7	126.8	124.8	122.4
7.5°	151.6	151.6	150.1	149.6	148.2	146.2	144.8	141.9	138.5	135.5	131.6
10°	165.2	165.2	163.7	162.7	159.8	157.9	155.0	151.6	148.2	143.8	138.9
12.5°	177.3	177.8	175.9	173.9	171.0	168.1	164.2	159.8	155.5	150.6	144.3
15°	190.4	189.9	187.5	185.1	181.7	177.3	172.5	166.6	160.8	155.0	148.2
17.5°	200.1	199.7	197.2	194.3	189.9	184.6	179.3	172.5	165.7	158.4	150.1
20°	206.9	206.5	204.0	200.1	195.8	189.9	183.6	175.9	168.6	159.8	150.6
22.5°	210.8	210.3	207.4	204.0	198.7	192.4	185.6	177.3	169.1	159.8	149.6
25°	212.3	211.3	208.4	204.5	199.2	192.4	184.6	175.9	167.1	157.4	146.7
27.5°	211.3	210.3	206.9	202.6	196.7	189.0	181.2	172.5	163.2	153.5	142.3
30°	207.4	206.0	203.1	198.7	192.4	184.6	176.3	167.1	157.4	147.2	136.0
32.5°	200.6	199.7	196.7	191.9	185.6	177.8	169.5	159.8	150.1	139.9	128.7
35°	192.4	190.4	187.5	183.1	176.8	169.1	160.8	150.6	141.4	131.2	120.5
37.5°	180.7	180.2	176.8	173.4	167.1	158.9	151.1	141.4	132.1	122.4	111.7
40°	169.5	168.6	165.7	161.8	155.5	148.2	139.9	131.2	121.9	112.7	103.0
42.5°	156.9	155.5	153.5	149.6	143.8	136.5	128.7	120.0	111.7	103.0	94.2
45°	141.4	140.9	138.5	136.5	131.2	124.8	117.1	109.3	101.0	94.2	87.4
47.5°	121.4	121.0	120.5	119.0	116.1	111.7	105.9	98.6	92.3	85.5	76.3
50°	104.0	103.5	102.5	102.0	99.6	97.2	92.8	88.4	83.1	75.3	68.0
52.5°	82.6	83.1	84.5	85.0	84.5	82.6	80.6	79.2	71.9	67.0	60.2
55°	67.5	67.5	67.0	67.5	68.0	69.0	69.0	67.0	62.2	57.8	52.0
57.5°	55.4	55.4	55.4	55.4	55.4	55.9	55.9	55.4	53.0	48.6	43.2
60°	45.7	45.2	45.2	45.7	45.2	45.2	45.7	45.7	43.2	39.8	35.0
62.5°	36.9	36.9	36.9	36.4	36.4	36.9	36.9	36.4	34.5	31.1	27.7
65°	29.1	29.1	29.1	29.1	29.1	29.6	29.1	28.7	26.7	24.3	21.9
67.5°	22.3	22.3	22.8	22.3	22.8	22.8	22.8	21.9	20.4	18.5	17.0
70°	16.5	16.5	16.5	17.0	17.5	17.5	17.0	16.0	15.1	14.1	12.6
72.5°	11.2	11.7	11.7	11.7	12.1	12.1	11.7	11.2	10.7	9.7	9.2
75°	7.3	6.8	7.3	7.3	7.8	7.8	7.3	7.3	6.8	6.3	5.8
77.5°	3.4	3.4	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.4	3.4
80°	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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°	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0
2.5°	111.7	110.3	108.3	103.0	98.1	93.8	91.3	90.8
5°	119.5	117.6	112.7	101.5	92.3	85.0	80.6	79.7
7.5°	127.8	123.9	117.1	99.6	86.5	77.2	72.4	70.9
10°	134.1	129.2	120.0	97.2	80.6	70.9	65.1	63.2
12.5°	138.5	132.6	122.4	94.2	75.8	64.1	58.3	56.4
15°	140.9	134.6	122.9	89.9	70.0	58.8	52.5	51.0
17.5°	141.9	134.6	121.9	86.5	64.6	53.4	47.6	45.7
20°	141.4	132.6	119.5	81.6	59.8	48.6	42.7	41.3
22.5°	139.4	129.7	115.6	76.8	54.9	43.7	38.9	37.9
25°	136.5	125.8	111.2	72.4	50.5	40.3	35.5	34.5
27.5°	131.6	121.0	105.4	67.5	46.6	36.9	32.5	31.1
30°	125.3	115.1	99.6	62.7	42.7	33.5	29.6	28.7
32.5°	118.5	108.3	93.8	57.8	39.3	31.1	27.2	26.2
35°	110.8	101.0	86.5	53.0	35.9	28.7	24.8	24.3
37.5°	103.0	93.3	80.2	49.1	33.0	26.2	22.8	22.3
40°	94.2	86.5	76.8	44.7	30.6	24.3	21.4	20.4
42.5°	88.9	78.2	66.1	40.8	28.2	22.3	19.4	18.9
45°	77.2	69.5	59.8	36.9	25.7	20.4	18.0	17.5
47.5°	69.5	62.7	53.4	33.0	23.8	18.9	16.5	16.0
50°	61.7	55.4	46.6	29.1	21.9	17.5	15.1	14.6
52.5°	53.9	47.6	39.8	25.7	19.4	16.0	13.6	13.1
55°	46.2	40.3	33.0	22.3	17.5	14.6	12.6	11.7
57.5°	37.9	33.0	28.2	19.9	15.5	13.1	11.2	10.2
60°	30.6	27.7	23.8	17.5	13.6	11.7	9.7	9.2
62.5°	24.8	22.3	19.9	15.1	12.1	10.2	8.7	7.3
65°	19.9	18.5	16.5	12.1	10.2	8.7	7.3	5.8
67.5°	15.5	14.6	13.1	10.2	8.3	7.3	5.3	4.4
70°	12.1	11.2	10.2	7.3	6.3	5.3	3.9	2.9
72.5°	8.7	7.8	7.3	5.3	4.4	3.9	2.4	1.5
75°	5.3	5.3	4.4	2.9	2.4	1.9	1.0	0.5
77.5°	2.9	2.9	2.4	1.5	1.5	0.5	0.0	0.0
80°	1.5	1.0	1.0	0.5	0.5	0.0	0.0	0.0
82.5°	0.5	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)