

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: P1314882

Luminaire Tested: LDSQA3D17R709730DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314882
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: LDSQA3D17R709730DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

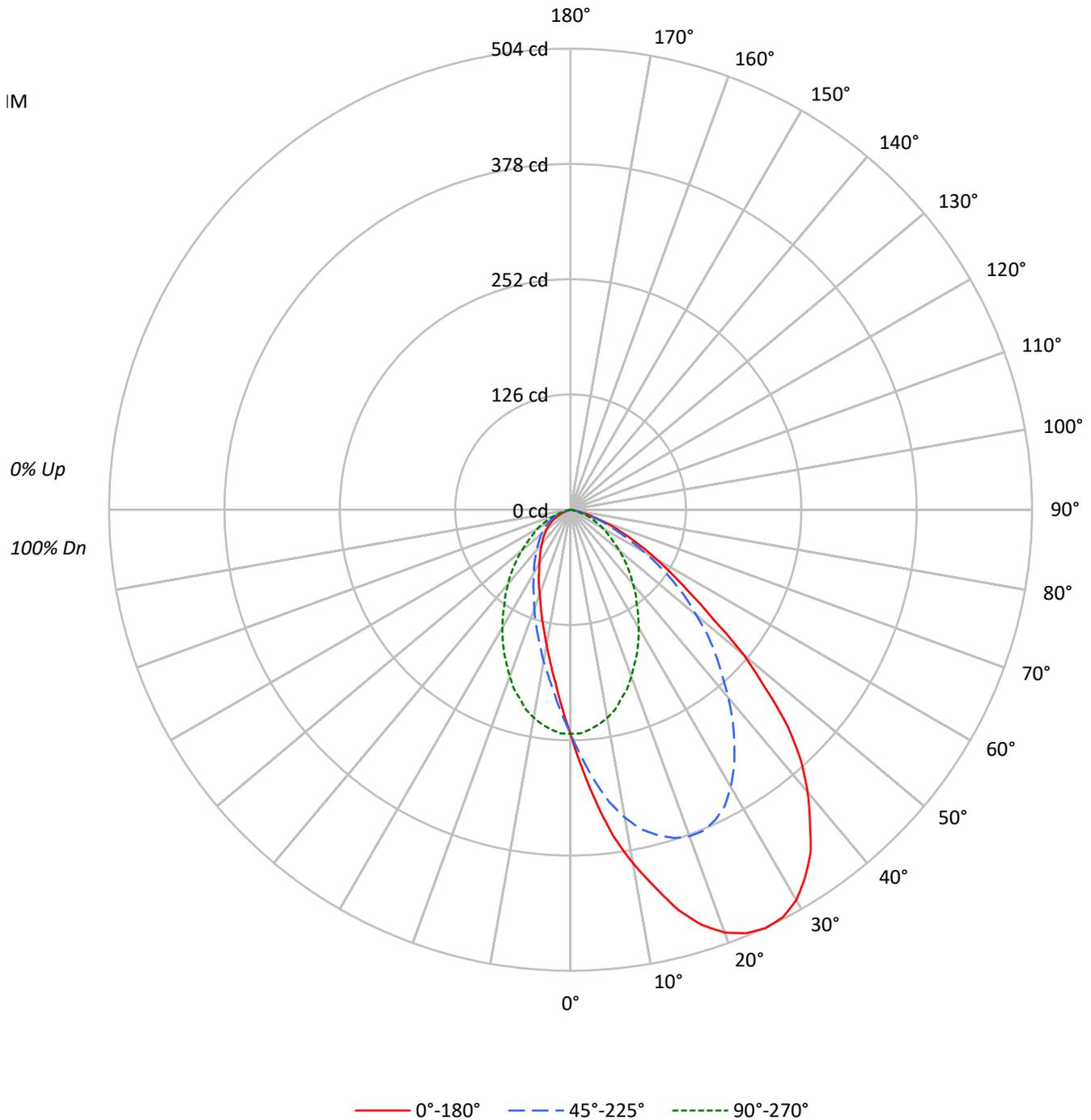
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 549.0 lumens
Efficiency: N/A
Efficacy: 25.9 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): 21.2
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	90	90	90	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	69	69	69	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	61	61	61	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	54	54	54	52
6	75	63	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	48	48	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	43	43	43	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	39	39	39	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	36	36	36	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	33	33	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	42160	42160	42160	42160	42160
5°	55495	51294	41716	34922	32726
10°	68640	59756	40380	29485	26249
15°	80698	65667	38084	24908	21610
20°	90135	69608	35555	21168	17979
25°	95868	71089	32685	18205	15582
30°	98041	69563	29611	15850	13543
35°	96124	65533	26449	14318	12131
40°	90580	60229	23876	12972	10904
45°	81836	54557	21360	11813	10132
50°	66206	47960	18568	11146	9270
55°	48192	41256	15944	10389	8317
60°	37372	32619	14329	9541	7543
65°	28241	23514	11777	8476	5664
70°	19789	16869	8711	6395	3474
75°	11512	9981	4591	3061	799
80°	2281	3471	1190	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 81836 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.9	4.4
10°-20°	71.4	13.0
20°-30°	107.5	19.6
30°-40°	119.5	21.8
40°-50°	106.0	19.3
50°-60°	71.9	13.1
60°-70°	37.7	6.9
70°-80°	10.7	2.0
80°-90°	0.3	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°	202.8	36.9
0°-40°	322.4	58.7
0°-60°	500.3	91.1
0°-90°	549.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	549.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	245	245	245	245	245	
5°	321	297	241	202	189	33
15°	453	368	214	140	121	128
25°	504	374	172	96	82	231
35°	457	312	126	68	58	283
45°	336	224	88	48	42	254
55°	160	137	53	35	28	148
65°	69	58	29	21	14	70
75°	17	15	7	5	1	19
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°	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8
2.5°	281.7	280.6	279.4	279.4	278.2	277.1	274.8	274.8	272.5	270.2	267.9
5°	321.0	321.0	321.0	317.5	317.5	312.9	310.6	306.0	301.3	296.7	290.9
7.5°	360.2	360.2	356.8	355.6	352.1	347.5	344.1	337.1	329.0	322.1	312.9
10°	392.5	392.5	389.1	386.8	379.8	375.2	368.3	360.2	352.1	341.7	330.2
12.5°	421.4	422.6	417.9	413.3	406.4	399.5	390.2	379.8	369.5	357.9	342.9
15°	452.6	451.4	445.7	439.9	431.8	421.4	409.9	396.0	382.2	368.3	352.1
17.5°	475.7	474.5	468.7	461.8	451.4	438.7	426.0	409.9	393.7	376.4	356.8
20°	491.8	490.7	484.9	475.7	465.3	451.4	436.4	417.9	400.6	379.8	357.9
22.5°	501.1	499.9	493.0	484.9	472.2	457.2	441.0	421.4	401.8	379.8	355.6
25°	504.5	502.2	495.3	486.1	473.4	457.2	438.7	417.9	397.2	374.1	348.7
27.5°	502.2	499.9	491.8	481.4	467.6	449.1	430.6	409.9	387.9	364.8	338.3
30°	493.0	489.5	482.6	472.2	457.2	438.7	419.1	397.2	374.1	349.8	323.3
32.5°	476.8	474.5	467.6	456.0	441.0	422.6	402.9	379.8	356.8	332.5	306.0
35°	457.2	452.6	445.7	435.3	420.3	401.8	382.2	357.9	336.0	311.7	286.3
37.5°	429.5	428.3	420.3	412.2	397.2	377.5	359.1	336.0	314.0	290.9	265.5
40°	402.9	400.6	393.7	384.5	369.5	352.1	332.5	311.7	289.8	267.9	244.8
42.5°	372.9	369.5	364.8	355.6	341.7	324.4	306.0	285.2	265.5	244.8	224.0
45°	336.0	334.8	329.0	324.4	311.7	296.7	278.2	259.8	240.1	224.0	207.8
47.5°	288.6	287.5	286.3	282.9	275.9	265.5	251.7	234.4	219.4	203.2	181.3
50°	247.1	245.9	243.6	242.5	236.7	230.9	220.5	210.1	197.4	179.0	161.6
52.5°	196.3	197.4	200.9	202.0	200.9	196.3	191.7	188.2	170.9	159.3	143.2
55°	160.5	160.5	159.3	160.5	161.6	163.9	163.9	159.3	147.8	137.4	123.5
57.5°	131.6	131.6	131.6	131.6	131.6	132.8	132.8	131.6	125.8	115.5	102.8
60°	108.5	107.4	107.4	108.5	107.4	107.4	108.5	108.5	102.8	94.7	83.1
62.5°	87.7	87.7	87.7	86.6	86.6	87.7	87.7	86.6	82.0	73.9	65.8
65°	69.3	69.3	69.3	69.3	69.3	70.4	69.3	68.1	63.5	57.7	52.0
67.5°	53.1	53.1	54.3	53.1	54.3	54.3	54.3	52.0	48.5	43.9	40.4
70°	39.3	39.3	39.3	40.4	41.6	41.6	40.4	38.1	35.8	33.5	30.0
72.5°	26.6	27.7	27.7	27.7	28.9	28.9	27.7	26.6	25.4	23.1	21.9
75°	17.3	16.2	17.3	17.3	18.5	18.5	17.3	17.3	16.2	15.0	13.9
77.5°	8.1	8.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	8.1	8.1
80°	2.3	2.3	2.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
82.5°	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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°	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8
2.5°	265.5	262.1	257.5	244.8	233.2	222.8	217.1	215.9
5°	284.0	279.4	267.9	241.3	219.4	202.0	191.7	189.3
7.5°	303.6	294.4	278.2	236.7	205.5	183.6	172.0	168.6
10°	318.7	307.1	285.2	230.9	191.7	168.6	154.7	150.1
12.5°	329.0	315.2	290.9	224.0	180.1	152.4	138.5	133.9
15°	334.8	319.8	292.1	213.6	166.3	139.7	124.7	121.2
17.5°	337.1	319.8	289.8	205.5	153.6	127.0	113.1	108.5
20°	336.0	315.2	284.0	194.0	142.0	115.5	101.6	98.1
22.5°	331.4	308.3	274.8	182.4	130.5	103.9	92.4	90.1
25°	324.4	299.0	264.4	172.0	120.1	95.8	84.3	82.0
27.5°	312.9	287.5	250.5	160.5	110.8	87.7	77.4	73.9
30°	297.9	273.6	236.7	148.9	101.6	79.7	70.4	68.1
32.5°	281.7	257.5	222.8	137.4	93.5	73.9	64.7	62.3
35°	263.2	240.1	205.5	125.8	85.4	68.1	58.9	57.7
37.5°	244.8	221.7	190.5	116.6	78.5	62.3	54.3	53.1
40°	224.0	205.5	182.4	106.2	72.7	57.7	50.8	48.5
42.5°	211.3	185.9	157.0	97.0	67.0	53.1	46.2	45.0
45°	183.6	165.1	142.0	87.7	61.2	48.5	42.7	41.6
47.5°	165.1	148.9	127.0	78.5	56.6	45.0	39.3	38.1
50°	146.6	131.6	110.8	69.3	52.0	41.6	35.8	34.6
52.5°	128.2	113.1	94.7	61.2	46.2	38.1	32.3	31.2
55°	109.7	95.8	78.5	53.1	41.6	34.6	30.0	27.7
57.5°	90.1	78.5	67.0	47.3	36.9	31.2	26.6	24.2
60°	72.7	65.8	56.6	41.6	32.3	27.7	23.1	21.9
62.5°	58.9	53.1	47.3	35.8	28.9	24.2	20.8	17.3
65°	47.3	43.9	39.3	28.9	24.2	20.8	17.3	13.9
67.5°	36.9	34.6	31.2	24.2	19.6	17.3	12.7	10.4
70°	28.9	26.6	24.2	17.3	15.0	12.7	9.2	6.9
72.5°	20.8	18.5	17.3	12.7	10.4	9.2	5.8	3.5
75°	12.7	12.7	10.4	6.9	5.8	4.6	2.3	1.2
77.5°	6.9	6.9	5.8	3.5	3.5	1.2	0.0	0.0
80°	3.5	2.3	2.3	1.2	1.2	0.0	0.0	0.0
82.5°	1.2	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)