

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: P1308215

Luminaire Tested: LDSQA3D13R709027DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308215
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: LDSQA3D13R709027DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

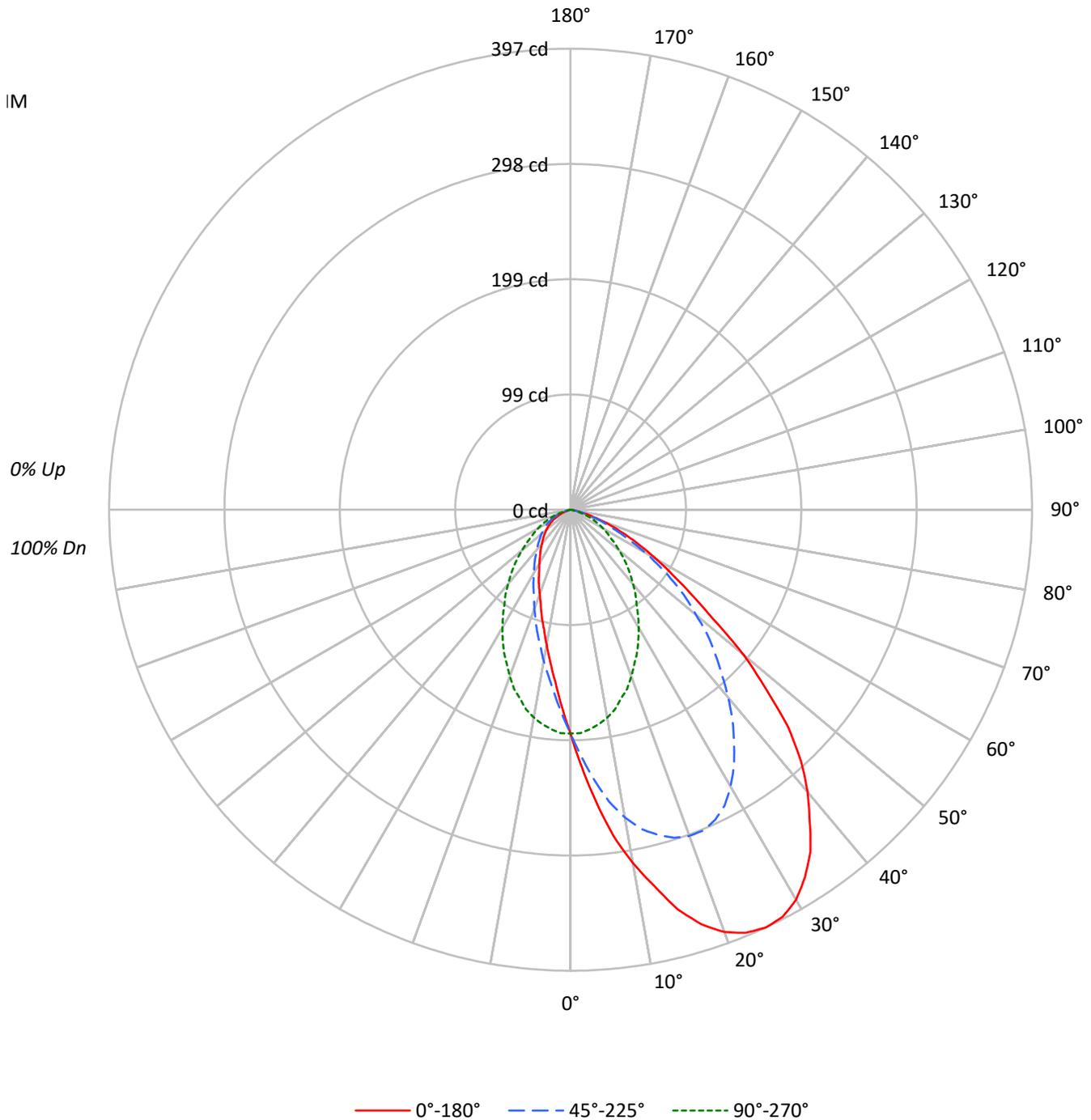
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 432.0 lumens
Efficiency: N/A
Efficacy: 29.6 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): 14.6
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	100			100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89			89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67			67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59			59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52			52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46			46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42			42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38			38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34			34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31			31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	33170	33170	33170	33170	33170
5°	43670	40368	32830	27488	25759
10°	54020	47025	31776	23189	20653
15°	63492	51671	29972	19595	17010
20°	70928	54781	27968	16641	14149
25°	75441	55944	25730	14328	12257
30°	77140	54748	23307	12469	10659
35°	75646	51573	20814	11269	9545
40°	71291	47392	18795	10207	8588
45°	64397	42915	16806	9304	7964
50°	52086	37725	14602	8761	7315
55°	37923	32458	12551	8197	6546
60°	29416	25661	11263	7509	5959
65°	22209	18501	9251	6683	4442
70°	15560	13243	6848	5035	2769
75°	9050	7852	3660	2396	599
80°	1785	2678	893	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 64397 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.8	4.4
10°-20°	56.2	13.0
20°-30°	84.6	19.6
30°-40°	94.1	21.8
40°-50°	83.4	19.3
50°-60°	56.6	13.1
60°-70°	29.7	6.9
70°-80°	8.4	1.9
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°	159.6	36.9
0°-40°	253.7	58.7
0°-60°	393.6	91.1
0°-90°	432.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	432.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	193	193	193	193	193	
5°	253	234	190	159	149	26
15°	356	290	168	110	95	101
25°	397	294	135	75	64	182
35°	360	245	99	54	45	223
45°	264	176	69	38	33	200
55°	126	108	42	27	22	117
65°	54	45	23	16	11	55
75°	14	12	6	4	1	15
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°	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6
2.5°	221.7	220.8	219.9	219.9	218.9	218.0	216.2	216.2	214.4	212.6	210.8
5°	252.6	252.6	252.6	249.8	249.8	246.2	244.4	240.7	237.1	233.5	228.9
7.5°	283.4	283.4	280.7	279.8	277.1	273.5	270.7	265.3	258.9	253.5	246.2
10°	308.9	308.9	306.2	304.3	298.9	295.3	289.8	283.4	277.1	268.9	259.8
12.5°	331.6	332.5	328.9	325.2	319.8	314.3	307.1	298.9	290.7	281.6	269.8
15°	356.1	355.2	350.7	346.1	339.8	331.6	322.5	311.6	300.7	289.8	277.1
17.5°	374.3	373.4	368.8	363.4	355.2	345.2	335.2	322.5	309.8	296.2	280.7
20°	387.0	386.1	381.6	374.3	366.1	355.2	343.4	328.9	315.2	298.9	281.6
22.5°	394.3	393.4	387.9	381.6	371.6	359.8	347.0	331.6	316.2	298.9	279.8
25°	397.0	395.2	389.7	382.5	372.5	359.8	345.2	328.9	312.5	294.4	274.4
27.5°	395.2	393.4	387.0	378.8	367.9	353.4	338.9	322.5	305.3	287.1	266.2
30°	387.9	385.2	379.7	371.6	359.8	345.2	329.8	312.5	294.4	275.3	254.4
32.5°	375.2	373.4	367.9	358.9	347.0	332.5	317.1	298.9	280.7	261.6	240.7
35°	359.8	356.1	350.7	342.5	330.7	316.2	300.7	281.6	264.4	245.3	225.3
37.5°	338.0	337.0	330.7	324.3	312.5	297.1	282.5	264.4	247.1	228.9	209.0
40°	317.1	315.2	309.8	302.5	290.7	277.1	261.6	245.3	228.0	210.8	192.6
42.5°	293.4	290.7	287.1	279.8	268.9	255.3	240.7	224.4	209.0	192.6	176.2
45°	264.4	263.5	258.9	255.3	245.3	233.5	218.9	204.4	189.0	176.2	163.5
47.5°	227.1	226.2	225.3	222.6	217.1	209.0	198.1	184.4	172.6	159.9	142.6
50°	194.4	193.5	191.7	190.8	186.2	181.7	173.5	165.3	155.4	140.8	127.2
52.5°	154.4	155.4	158.1	159.0	158.1	154.4	150.8	148.1	134.5	125.4	112.7
55°	126.3	126.3	125.4	126.3	127.2	129.0	129.0	125.4	116.3	108.1	97.2
57.5°	103.6	103.6	103.6	103.6	103.6	104.5	104.5	103.6	99.0	90.8	80.9
60°	85.4	84.5	84.5	85.4	84.5	84.5	85.4	85.4	80.9	74.5	65.4
62.5°	69.0	69.0	69.0	68.1	68.1	69.0	69.0	68.1	64.5	58.1	51.8
65°	54.5	54.5	54.5	54.5	54.5	55.4	54.5	53.6	50.0	45.4	40.9
67.5°	41.8	41.8	42.7	41.8	42.7	42.7	42.7	40.9	38.2	34.5	31.8
70°	30.9	30.9	30.9	31.8	32.7	32.7	31.8	30.0	28.2	26.3	23.6
72.5°	20.9	21.8	21.8	21.8	22.7	22.7	21.8	20.9	20.0	18.2	17.3
75°	13.6	12.7	13.6	13.6	14.5	14.5	13.6	13.6	12.7	11.8	10.9
77.5°	6.4	6.4	7.3	7.3	7.3	7.3	7.3	7.3	7.3	6.4	6.4
80°	1.8	1.8	1.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
82.5°	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6
2.5°	209.0	206.2	202.6	192.6	183.5	175.3	170.8	169.9
5°	223.5	219.9	210.8	189.9	172.6	159.0	150.8	149.0
7.5°	238.9	231.7	218.9	186.2	161.7	144.4	135.4	132.6
10°	250.7	241.7	224.4	181.7	150.8	132.6	121.7	118.1
12.5°	258.9	248.0	228.9	176.2	141.7	119.9	109.0	105.4
15°	263.5	251.7	229.8	168.1	130.8	109.9	98.1	95.4
17.5°	265.3	251.7	228.0	161.7	120.8	99.9	89.0	85.4
20°	264.4	248.0	223.5	152.6	111.7	90.8	79.9	77.2
22.5°	260.7	242.6	216.2	143.5	102.7	81.8	72.7	70.9
25°	255.3	235.3	208.0	135.4	94.5	75.4	66.3	64.5
27.5°	246.2	226.2	197.1	126.3	87.2	69.0	60.9	58.1
30°	234.4	215.3	186.2	117.2	79.9	62.7	55.4	53.6
32.5°	221.7	202.6	175.3	108.1	73.6	58.1	50.9	49.1
35°	207.1	189.0	161.7	99.0	67.2	53.6	46.3	45.4
37.5°	192.6	174.4	149.9	91.8	61.8	49.1	42.7	41.8
40°	176.2	161.7	143.5	83.6	57.2	45.4	40.0	38.2
42.5°	166.3	146.3	123.6	76.3	52.7	41.8	36.3	35.4
45°	144.4	129.9	111.7	69.0	48.1	38.2	33.6	32.7
47.5°	129.9	117.2	99.9	61.8	44.5	35.4	30.9	30.0
50°	115.4	103.6	87.2	54.5	40.9	32.7	28.2	27.3
52.5°	100.8	89.0	74.5	48.1	36.3	30.0	25.4	24.5
55°	86.3	75.4	61.8	41.8	32.7	27.3	23.6	21.8
57.5°	70.9	61.8	52.7	37.2	29.1	24.5	20.9	19.1
60°	57.2	51.8	44.5	32.7	25.4	21.8	18.2	17.3
62.5°	46.3	41.8	37.2	28.2	22.7	19.1	16.4	13.6
65°	37.2	34.5	30.9	22.7	19.1	16.4	13.6	10.9
67.5°	29.1	27.3	24.5	19.1	15.4	13.6	10.0	8.2
70°	22.7	20.9	19.1	13.6	11.8	10.0	7.3	5.5
72.5°	16.4	14.5	13.6	10.0	8.2	7.3	4.5	2.7
75°	10.0	10.0	8.2	5.5	4.5	3.6	1.8	0.9
77.5°	5.5	5.5	4.5	2.7	2.7	0.9	0.0	0.0
80°	2.7	1.8	1.8	0.9	0.9	0.0	0.0	0.0
82.5°	0.9	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)