

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: P1318830

Luminaire Tested: LDSQA3D02R459835DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

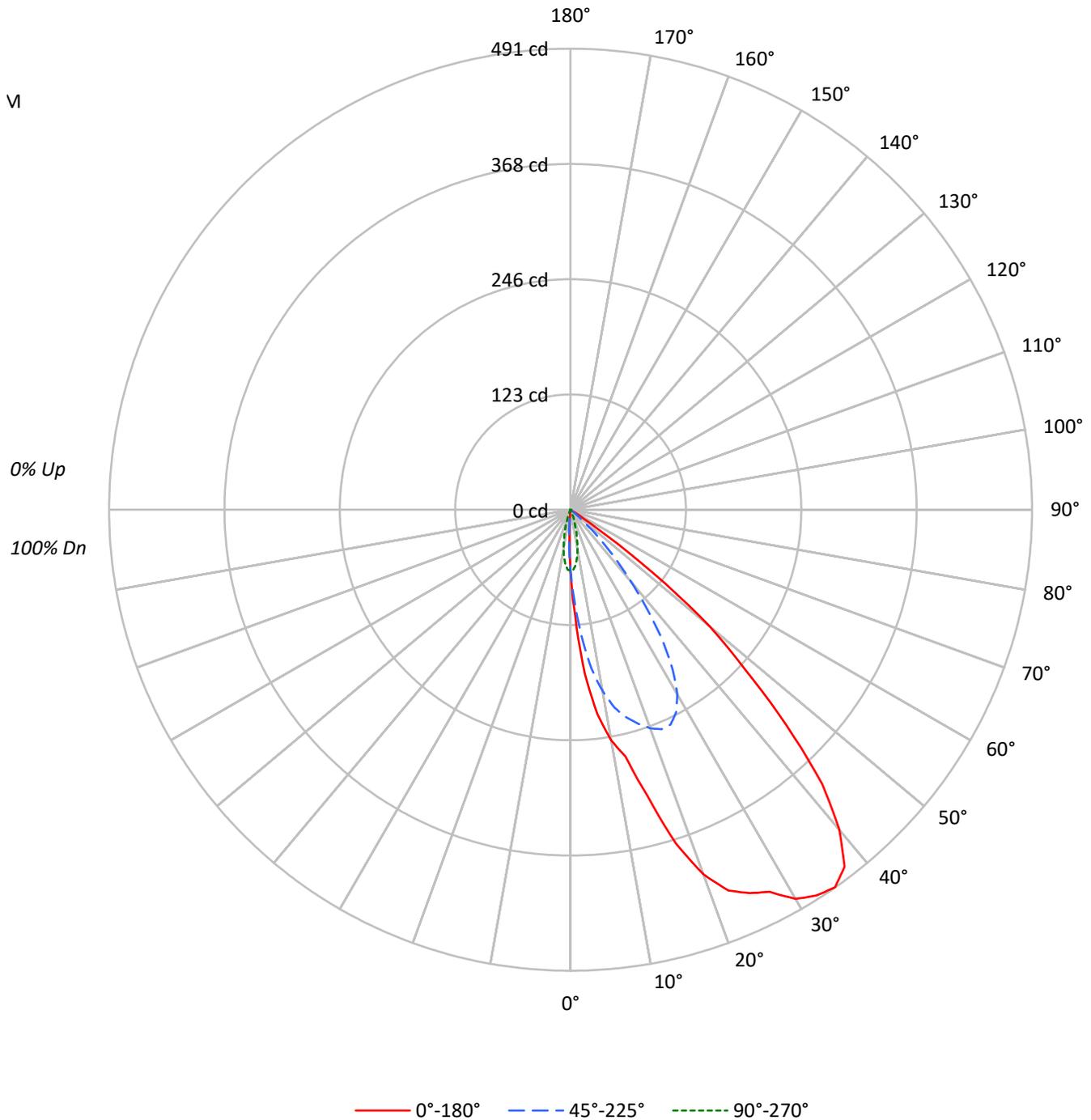
Test Method: LM-79-2019  
Report Number: P1318830  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R459835DE010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 208.0 lumens  
Efficiency: N/A  
Efficacy: 57.8 lumens/watt  
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.27  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 3.6  
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	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	82	79	76	74
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	47	42	38	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	11126	11126	11126	11126	11126
5°	30375	23373	10304	2057	778
10°	43615	34276	7450	192	157
15°	56164	40777	3958	71	0
20°	75693	45379	1503	0	0
25°	85607	47925	399	0	0
30°	95157	45182	40	0	0
35°	103167	36036	0	0	0
40°	99978	22617	0	0	0
45°	79254	10765	0	0	0
50°	51871	1340	0	0	0
55°	8918	0	0	0	0
60°	0	0	69	0	0
65°	0	82	82	0	0
70°	0	101	201	0	0
75°	0	133	266	0	0
80°	0	198	397	198	0
85°	0	395	790	395	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 79254 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.7	3.7
10°-20°	29.6	14.2
20°-30°	55.5	26.7
30°-40°	64.7	31.1
40°-50°	42.2	20.3
50°-60°	7.8	3.8
60°-70°	0.1	0.0
70°-80°	0.2	0.1
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°	92.8	44.6
0°-40°	157.5	75.7
0°-60°	207.6	99.8
0°-90°	208.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	208.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	65	65	65	65	65	
5°	176	135	60	12	4	19
15°	315	229	22	0	0	94
25°	450	252	2	0	0	208
35°	491	171	0	0	0	301
45°	325	44	0	0	0	247
55°	30	0	0	0	0	52
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
2.5°	113.9	114.8	113.0	112.2	109.8	110.3	106.2	104.6	101.9	97.6	95.6
5°	175.7	174.0	172.5	169.3	167.5	162.4	156.8	150.5	142.8	135.2	126.4
7.5°	219.7	218.4	217.9	215.3	211.5	206.3	199.0	191.0	181.1	170.8	157.6
10°	249.4	248.1	245.9	243.3	240.3	236.0	228.9	220.1	209.3	196.0	180.5
12.5°	268.9	268.7	264.9	261.9	258.2	254.5	247.2	240.1	229.5	215.8	198.3
15°	315.0	312.0	307.1	298.7	288.3	278.6	266.8	255.6	244.0	228.7	209.1
17.5°	372.5	369.1	360.9	350.3	333.5	315.0	294.8	277.1	259.7	239.0	215.8
20°	413.0	411.7	404.8	392.4	374.5	350.1	323.6	298.5	274.1	247.6	219.0
22.5°	438.9	438.2	435.4	427.0	408.7	381.2	347.1	313.5	284.0	253.0	218.1
25°	450.5	451.4	451.8	447.7	433.0	405.0	364.4	324.9	289.6	252.2	211.0
27.5°	458.7	458.7	460.2	458.4	443.4	413.9	371.2	328.8	287.7	243.1	196.0
30°	478.5	478.1	479.1	474.0	453.3	416.7	368.2	322.4	277.1	227.2	174.6
32.5°	487.1	487.5	487.3	479.3	455.2	414.9	360.9	310.3	257.5	202.4	146.2
35°	490.7	489.0	482.1	463.8	433.3	390.0	340.4	289.8	230.0	171.4	115.4
37.5°	478.9	474.0	458.7	433.7	396.6	354.9	306.4	253.0	193.6	134.4	86.8
40°	444.7	438.4	419.1	388.9	354.9	317.4	266.2	209.9	151.4	100.6	60.9
42.5°	396.4	389.1	368.4	342.0	311.0	271.7	220.7	164.3	110.9	69.5	38.6
45°	325.4	321.3	309.4	287.1	256.7	215.8	169.2	119.9	76.7	44.2	19.8
47.5°	251.7	246.4	237.9	222.6	197.2	158.3	118.4	81.4	49.3	21.8	4.1
50°	193.6	187.4	177.0	160.0	133.5	105.7	76.7	50.8	25.0	5.0	0.2
52.5°	111.5	112.8	107.7	96.9	82.1	63.3	44.4	25.6	5.6	0.2	0.0
55°	29.7	32.1	31.4	33.8	29.7	25.0	18.5	4.9	0.4	0.0	0.0
57.5°	0.0	0.0	0.2	0.4	1.1	1.7	0.6	0.2	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
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°	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
2.5°	90.9	87.0	82.1	64.2	48.4	34.7	27.1	25.0
5°	118.0	108.5	96.2	59.6	29.9	11.9	5.4	4.5
7.5°	143.6	129.6	107.4	52.1	15.1	3.0	1.5	1.3
10°	163.4	144.5	115.6	42.6	5.6	1.1	0.9	0.9
12.5°	177.0	154.0	118.6	32.3	2.1	0.6	0.6	0.4
15°	184.8	157.8	115.8	22.2	0.7	0.4	0.0	0.0
17.5°	187.3	156.3	108.3	14.0	0.2	0.0	0.0	0.0
20°	185.2	149.0	96.5	8.2	0.0	0.0	0.0	0.0
22.5°	178.5	137.6	82.3	4.5	0.0	0.0	0.0	0.0
25°	166.0	121.5	65.7	2.1	0.0	0.0	0.0	0.0
27.5°	145.6	100.8	49.5	0.7	0.0	0.0	0.0	0.0
30°	122.5	78.6	35.1	0.2	0.0	0.0	0.0	0.0
32.5°	95.6	57.9	22.6	0.0	0.0	0.0	0.0	0.0
35°	71.9	40.5	13.4	0.0	0.0	0.0	0.0	0.0
37.5°	50.0	25.6	7.1	0.0	0.0	0.0	0.0	0.0
40°	31.2	13.8	2.4	0.0	0.0	0.0	0.0	0.0
42.5°	17.4	4.9	0.2	0.0	0.0	0.0	0.0	0.0
45°	4.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
60°	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0
62.5°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
65°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
67.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
70°	0.2	0.2	0.2	0.4	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.4	0.4	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.4	0.4	0.2	0.0	0.0	0.0
77.5°	0.2	0.4	0.4	0.4	0.2	0.2	0.0	0.0
80°	0.2	0.4	0.4	0.4	0.4	0.2	0.0	0.0
82.5°	0.2	0.4	0.4	0.4	0.4	0.2	0.0	0.0
85°	0.2	0.4	0.4	0.4	0.2	0.2	0.0	0.0
87.5°	0.2	0.4	0.4	0.4	0.4	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)