

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: P1312142

Luminaire Tested: LDSQA3D02R559050DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

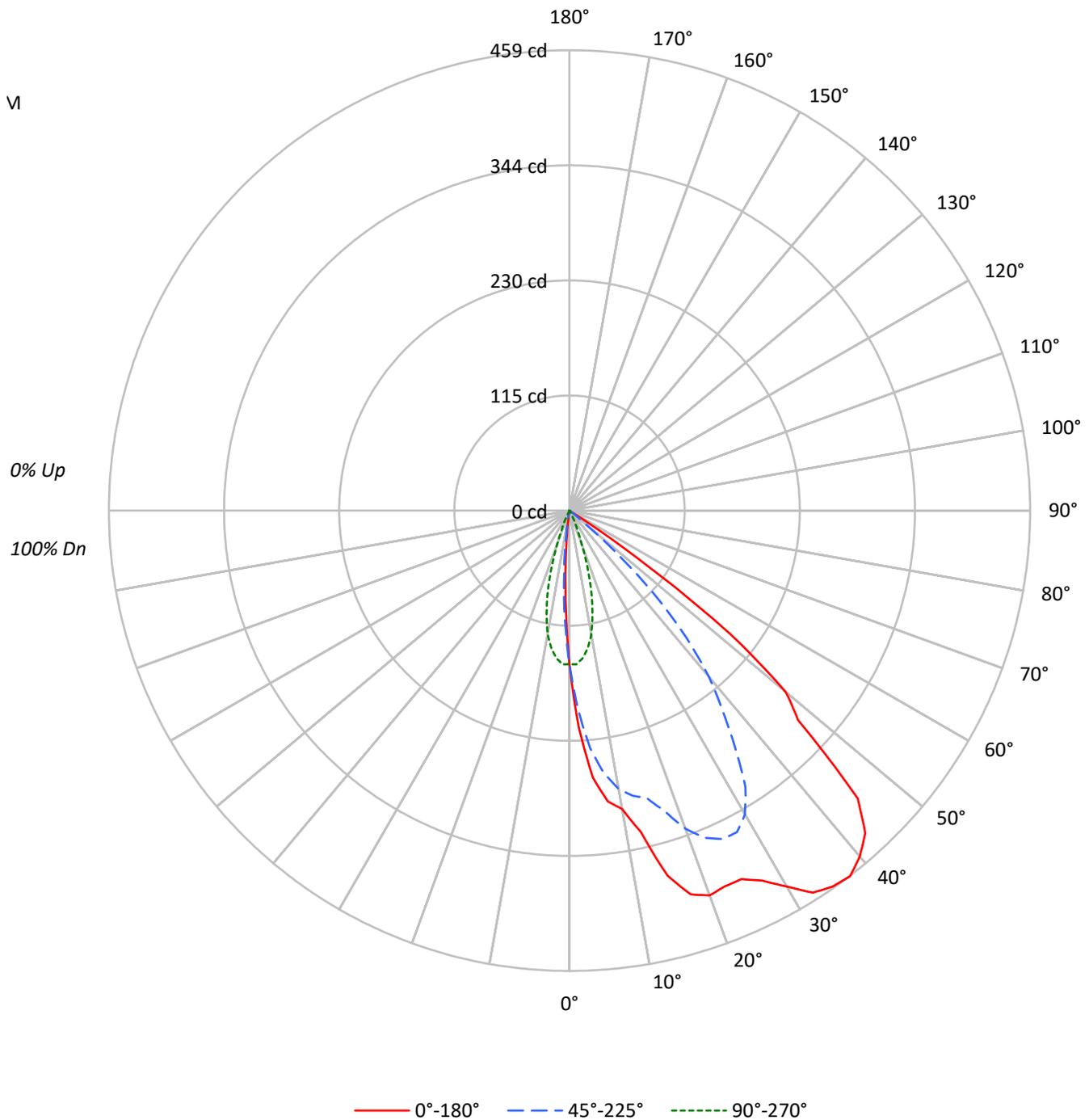
Test Method: LM-79-2019  
Report Number: P1312142  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R559050DE010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 283.0 lumens  
Efficiency: N/A  
Efficacy: 78.6 lumens/watt  
Spacing Criteria (0/90/45): 1.95 / 0.53 / 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	100			100	
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			91	
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82			82	
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73			73	
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66			66	
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59			59	
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53			53	
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			48	
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44			44	
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40			40	
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36			36	

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

	0°	45°	90°	135°	180°
0°	26333	26333	26333	26333	26333
5°	46159	41146	25569	10615	6120
10°	52831	49246	21860	1154	420
15°	67147	52865	14977	232	143
20°	74813	61855	6580	0	0
25°	77018	68638	1862	0	0
30°	86049	69543	259	0	0
35°	96166	60382	0	0	0
40°	101169	48606	0	0	0
45°	98910	30713	0	0	0
50°	75315	6270	0	0	0
55°	24681	0	0	0	0
60°	0	0	0	0	0
65°	0	122	122	0	0
70°	0	151	151	0	0
75°	0	200	200	0	0
80°	0	298	496	298	0
85°	0	593	593	593	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 98910 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.0	4.9
10°-20°	40.9	14.5
20°-30°	66.6	23.5
30°-40°	79.1	28.0
40°-50°	64.7	22.9
50°-60°	17.2	6.1
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°	121.5	42.9
0°-40°	200.6	70.9
0°-60°	282.5	99.8
0°-90°	283.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	283.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	153	153	153	153	153	
5°	267	238	148	61	35	26
15°	377	296	84	1	1	105
25°	405	361	10	0	0	191
35°	457	287	0	0	0	284
45°	406	126	0	0	0	292
55°	82	0	0	0	0	92
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°	67.5°
0°	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9
2.5°	217.0	215.4	215.7	214.9	215.7	212.2	208.5	205.0	202.4	198.7	176.1
5°	267.0	264.4	263.6	262.5	261.4	257.2	253.7	249.5	244.4	238.0	196.5
7.5°	292.3	290.2	289.1	289.6	287.2	285.6	281.1	276.3	271.0	264.1	212.0
10°	302.1	300.0	299.7	299.5	299.2	298.1	296.0	291.7	287.0	281.6	220.7
12.5°	327.9	323.1	319.9	316.2	311.7	305.8	301.1	297.3	295.5	291.2	224.7
15°	376.6	372.1	368.6	363.8	355.3	342.8	331.4	316.7	304.0	296.5	223.1
17.5°	401.1	398.9	396.0	392.8	387.0	377.9	366.2	350.8	334.6	313.6	215.4
20°	408.2	407.2	405.0	403.7	399.7	393.3	385.4	373.4	358.2	337.5	203.5
22.5°	405.3	406.1	407.2	410.6	411.2	406.6	399.2	387.8	372.3	353.2	185.1
25°	405.3	404.8	404.8	412.0	416.5	414.3	409.0	398.7	383.0	361.2	162.5
27.5°	415.7	412.5	405.8	413.3	420.7	419.9	415.1	402.9	385.4	361.4	134.8
30°	432.7	425.8	414.9	421.8	428.7	425.8	418.1	402.4	380.0	349.7	101.1
32.5°	451.6	448.4	442.8	447.3	446.3	434.6	420.7	398.9	369.1	326.3	68.1
35°	457.4	458.0	454.2	453.4	447.3	435.4	420.7	389.1	346.3	287.2	40.4
37.5°	459.3	459.6	453.7	446.3	437.2	423.1	405.6	368.9	304.0	249.5	21.5
40°	450.0	449.7	440.1	431.1	421.0	407.2	381.6	326.3	263.8	216.2	7.7
42.5°	436.2	432.7	423.7	412.5	400.3	383.0	343.1	275.5	229.2	173.1	0.5
45°	406.1	402.9	395.7	383.8	370.2	345.7	282.7	236.7	186.4	126.1	0.0
47.5°	308.8	307.2	314.6	316.2	315.9	288.0	235.9	193.1	137.0	73.4	0.0
50°	281.1	279.0	271.5	262.0	244.9	221.5	189.1	143.1	80.3	23.4	0.0
52.5°	201.9	208.8	210.4	203.2	187.2	164.1	130.3	82.4	27.9	0.0	0.0
55°	82.2	77.9	81.1	85.1	88.3	81.1	60.1	29.3	0.3	0.0	0.0
57.5°	0.0	0.3	1.6	3.7	6.1	7.7	8.2	0.5	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	0.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.3	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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):**

	90°	112.5°	135°	157.5°	180°
0°	152.9	152.9	152.9	152.9	152.9
2.5°	153.5	129.8	106.9	94.4	88.3
5°	147.9	99.2	61.4	42.6	35.4
7.5°	138.6	68.1	24.5	10.1	7.2
10°	125.0	39.1	6.6	2.7	2.4
12.5°	105.6	17.8	2.4	1.9	1.9
15°	84.0	6.1	1.3	1.1	0.8
17.5°	59.0	1.6	0.5	0.0	0.0
20°	35.9	0.3	0.0	0.0	0.0
22.5°	19.9	0.0	0.0	0.0	0.0
25°	9.8	0.0	0.0	0.0	0.0
27.5°	4.3	0.0	0.0	0.0	0.0
30°	1.3	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.3	0.0	0.0	0.0	0.0
65°	0.3	0.3	0.0	0.0	0.0
67.5°	0.3	0.3	0.0	0.0	0.0
70°	0.3	0.3	0.0	0.0	0.0
72.5°	0.3	0.3	0.0	0.0	0.0
75°	0.3	0.3	0.0	0.0	0.0
77.5°	0.5	0.3	0.3	0.0	0.0
80°	0.5	0.3	0.3	0.0	0.0
82.5°	0.5	0.3	0.3	0.0	0.0
85°	0.3	0.3	0.3	0.0	0.0
87.5°	0.5	0.3	0.3	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)