

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: P1321076

Luminaire Tested: LDSQA3D02R55B2750DE010 3LSQCDR1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

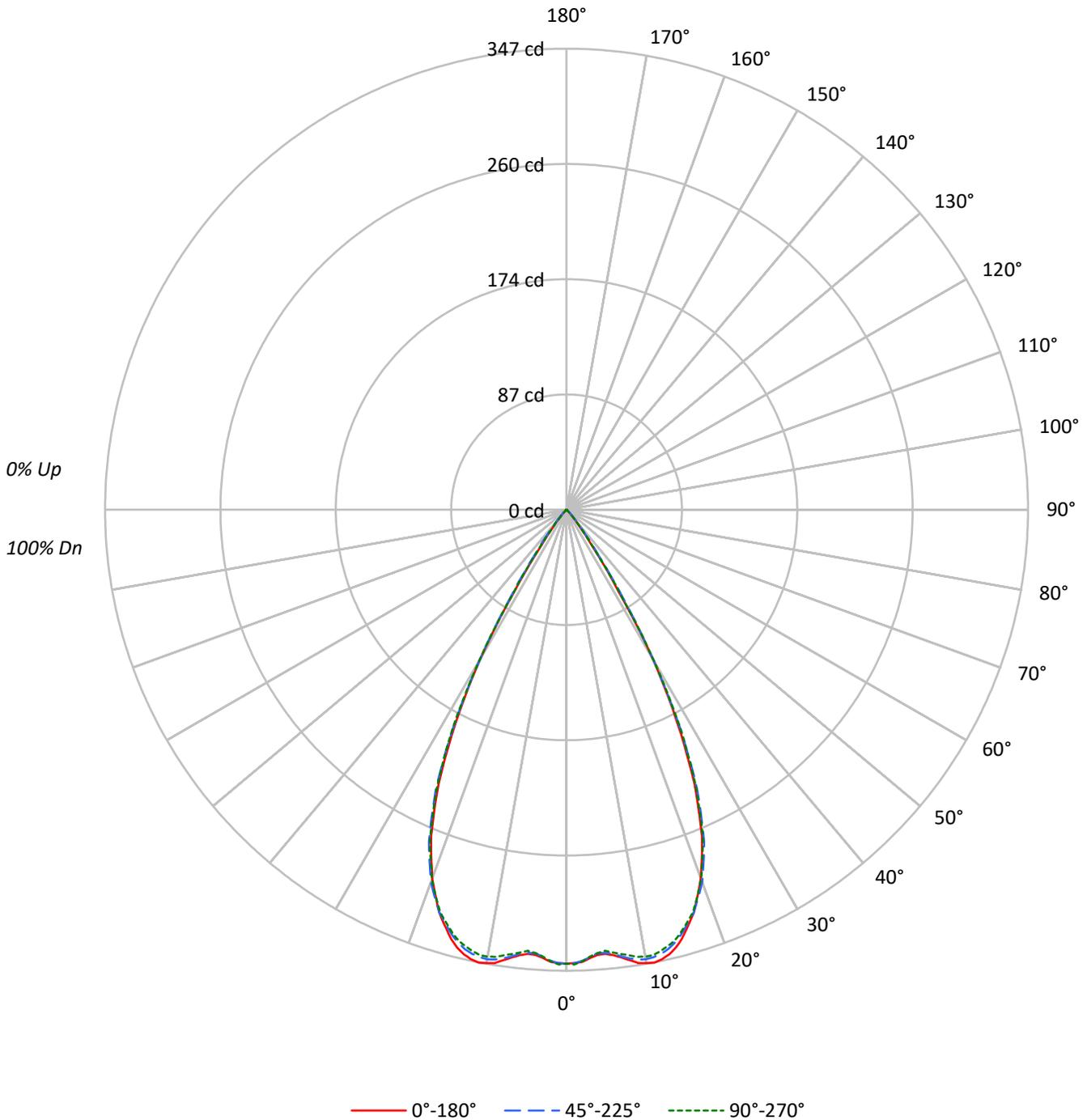
Test Method: LM-79-2019  
Report Number: P1321076  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R55B2750DE010 3LSQCDR1MW\_3000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 262.0 lumens  
Efficiency: N/A  
Efficacy: 90.4 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 2.9  
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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

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

	0°	45°	90°
0°	58848	58848	58848
5°	58001	57898	57621
10°	60613	60089	59721
15°	59676	59141	58892
20°	54103	54653	54250
25°	43269	44181	43763
30°	25952	25952	26270
35°	7506	8872	7758
40°	2158	2900	2158
45°	487	1120	487
50°	214	375	161
55°	180	180	180
60°	207	207	207
65°	163	163	163
70°	201	201	201
75°	133	133	133
80°	198	198	198
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1120 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.4	12.4
10°-20°	92.3	35.2
20°-30°	101.7	38.8
30°-40°	31.1	11.9
40°-50°	3.1	1.2
50°-60°	0.6	0.2
60°-70°	0.5	0.2
70°-80°	0.3	0.1
80°-90°	0.1	0.0
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°	226.5	86.4
0°-40°	257.6	98.3
0°-60°	261.2	99.7
0°-90°	262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	262.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	342	342	342	342	342	
5°	336	336	335	334	333	33
15°	335	334	332	330	330	93
25°	228	230	232	235	230	100
35°	36	38	42	39	37	29
45°	2	3	5	3	2	2
55°	1	1	1	1	1	1
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°	22.5°	45°	67.5°	90°
0°	341.7	341.7	341.7	341.7	341.7
1°	341.3	341.5	341.3	340.9	342.3
2°	340.5	340.3	339.7	339.5	340.1
3°	337.9	337.9	337.1	336.7	336.9
4°	335.9	335.9	334.7	334.3	334.5
5°	335.5	335.5	334.9	333.9	333.3
6°	337.1	337.5	336.1	335.1	335.1
7°	339.5	339.7	338.7	337.3	336.9
8°	342.5	342.7	341.1	339.5	338.7
9°	345.4	345.0	342.8	341.3	340.7
10°	346.6	346.4	343.6	342.1	341.5
11°	347.2	346.2	343.0	341.7	341.5
12°	345.8	345.0	341.7	340.3	339.7
13°	343.4	342.3	339.5	338.1	337.3
14°	339.7	338.5	335.9	334.3	334.5
15°	334.7	334.1	331.7	330.3	330.3
17.5°	318.1	318.5	317.9	317.4	317.0
20°	295.2	296.8	298.2	297.4	296.0
22.5°	266.0	268.7	270.3	270.7	268.1
25°	227.7	229.9	232.5	234.7	230.3
27.5°	180.1	182.1	184.5	185.9	185.3
30°	130.5	130.7	130.5	133.1	132.1
32.5°	72.5	78.5	79.5	81.3	74.9
35°	35.7	37.5	42.2	38.8	36.9
37.5°	17.1	18.3	22.9	18.7	17.9
40°	9.6	10.4	12.9	10.8	9.6
42.5°	4.6	6.0	7.0	6.2	4.6
45°	2.0	3.0	4.6	3.0	2.0
47.5°	0.8	1.2	2.8	1.2	0.8
50°	0.8	0.6	1.4	0.6	0.6
52.5°	0.6	0.6	0.8	0.6	0.6
55°	0.6	0.6	0.6	0.6	0.6
57.5°	0.6	0.6	0.6	0.6	0.6
60°	0.6	0.6	0.6	0.6	0.6
62.5°	0.4	0.6	0.6	0.6	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.2	0.4	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)