

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: P1318036

Luminaire Tested: LDSQA3D05R209830DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

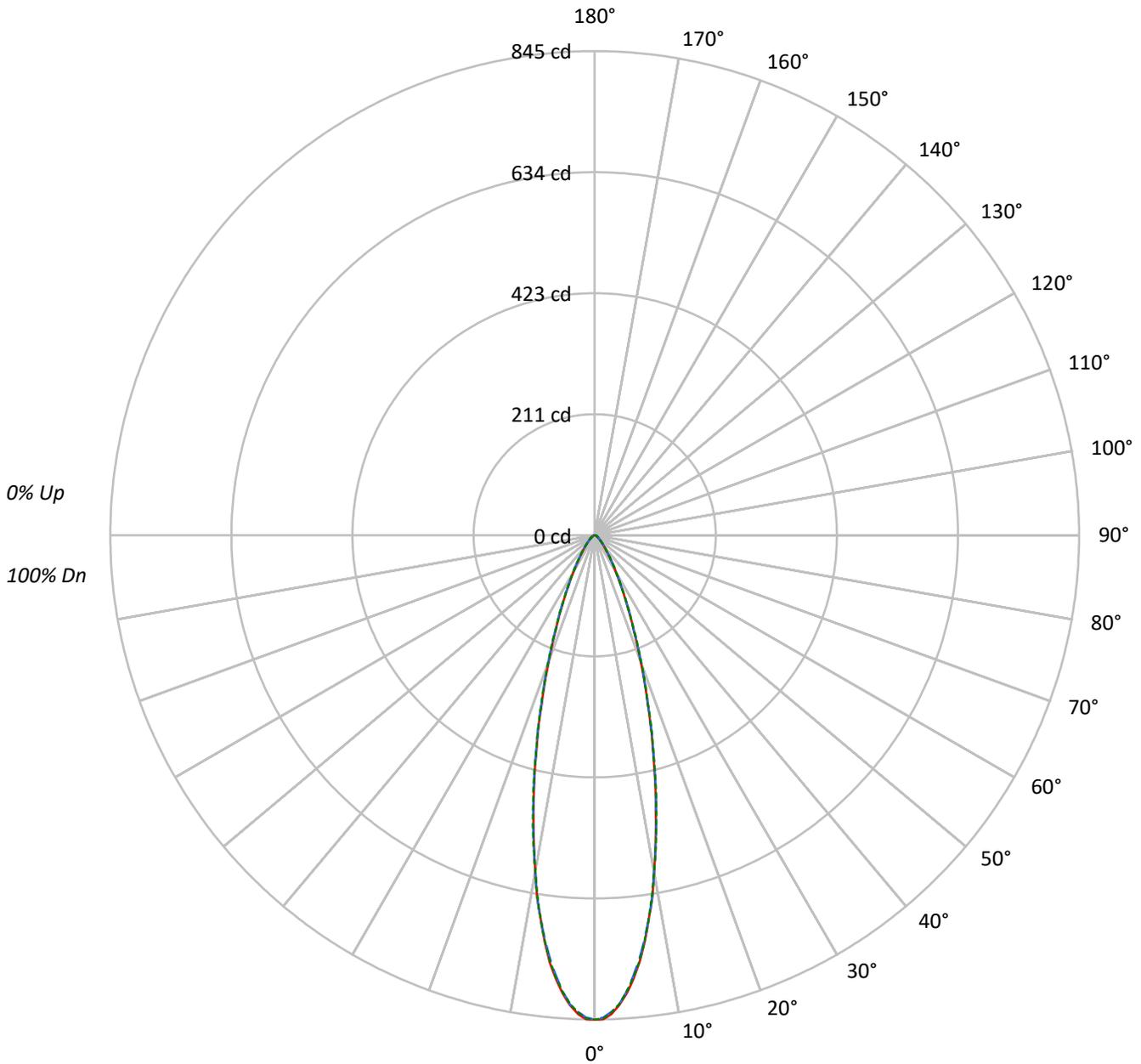
Test Method: LM-79-2019  
Report Number: P1318036  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R209830DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 297.0 lumens  
Efficiency: N/A  
Efficacy: 41.2 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	73	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	71	67	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	68	65	62	61

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

	0°	45°	90°
0°	145545	145545	145545
5°	134276	133516	133965
10°	104193	104333	104333
15°	70428	70766	70766
20°	42777	43308	43528
25°	25084	25445	25369
30°	14637	14935	15014
35°	8935	9167	9167
40°	5823	5913	5980
45°	4043	4141	4238
50°	2974	3081	3081
55°	2342	2432	2432
60°	2032	2032	2170
65°	1793	1793	1956
70°	1662	1662	1662
75°	1464	1464	1464
80°	1091	1091	1488
85°	790	790	1383

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 4238 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.1	22.9
10°-20°	109.1	36.8
20°-30°	63.2	21.3
30°-40°	28.3	9.5
40°-50°	13.4	4.5
50°-60°	7.4	2.5
60°-70°	4.5	1.5
70°-80°	2.4	0.8
80°-90°	0.5	0.2
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°	240.5	81.0
0°-40°	268.8	90.5
0°-60°	289.6	97.5
0°-90°	297.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	297.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	845	845	845	845	845	
5°	777	774	772	774	775	68
15°	395	395	397	395	397	109
25°	132	132	134	133	134	63
35°	42	43	44	44	44	28
45°	17	17	17	17	17	13
55°	8	8	8	8	8	7
65°	4	4	4	4	5	4
75°	2	2	2	2	2	2
85°	0	0	0	0	1	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	845.1	845.1	845.1	845.1	845.1
1°	844.8	842.5	841.8	841.1	843.3
2°	836.3	833.7	832.2	832.9	833.3
3°	821.1	819.6	819.6	818.5	819.2
4°	801.5	798.5	798.5	798.9	798.9
5°	776.7	774.1	772.3	773.8	774.9
6°	749.0	745.6	744.2	744.5	747.1
7°	714.9	710.5	711.2	713.1	713.1
8°	676.5	676.1	676.8	676.1	676.8
9°	641.0	635.8	640.2	636.5	638.4
10°	595.8	595.5	596.6	597.7	596.6
12.5°	493.0	494.9	495.6	494.1	497.5
15°	395.0	395.0	396.9	395.0	396.9
17.5°	307.4	307.0	308.5	307.0	309.2
20°	233.4	236.0	236.3	236.3	237.5
22.5°	176.1	176.1	177.5	177.9	177.2
25°	132.0	132.0	133.9	132.8	133.5
27.5°	97.6	98.4	99.9	100.6	100.6
30°	73.6	74.0	75.1	75.5	75.5
32.5°	55.5	56.2	57.0	57.3	57.7
35°	42.5	42.9	43.6	44.0	43.6
37.5°	32.5	32.9	33.7	34.0	34.0
40°	25.9	25.9	26.3	26.6	26.6
42.5°	20.3	20.7	20.7	21.1	21.1
45°	16.6	16.6	17.0	17.0	17.4
47.5°	13.3	13.3	13.7	14.1	14.1
50°	11.1	11.1	11.5	11.5	11.5
52.5°	9.2	9.2	9.6	9.6	9.6
55°	7.8	7.8	8.1	8.1	8.1
57.5°	6.7	6.7	7.0	7.0	7.0
60°	5.9	5.9	5.9	5.9	6.3
62.5°	5.2	5.2	5.2	5.2	5.2
65°	4.4	4.4	4.4	4.4	4.8
67.5°	3.7	3.7	3.7	3.7	4.1
70°	3.3	3.3	3.3	3.3	3.3
72.5°	2.6	2.6	2.6	3.0	3.0
75°	2.2	2.2	2.2	2.2	2.2
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.1	1.1	1.1	1.5	1.5
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.4	0.4	0.4	0.4	0.7
87.5°	0.0	0.0	0.0	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)