

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: P1320371

Luminaire Tested: LDSQA3D20R209840D010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

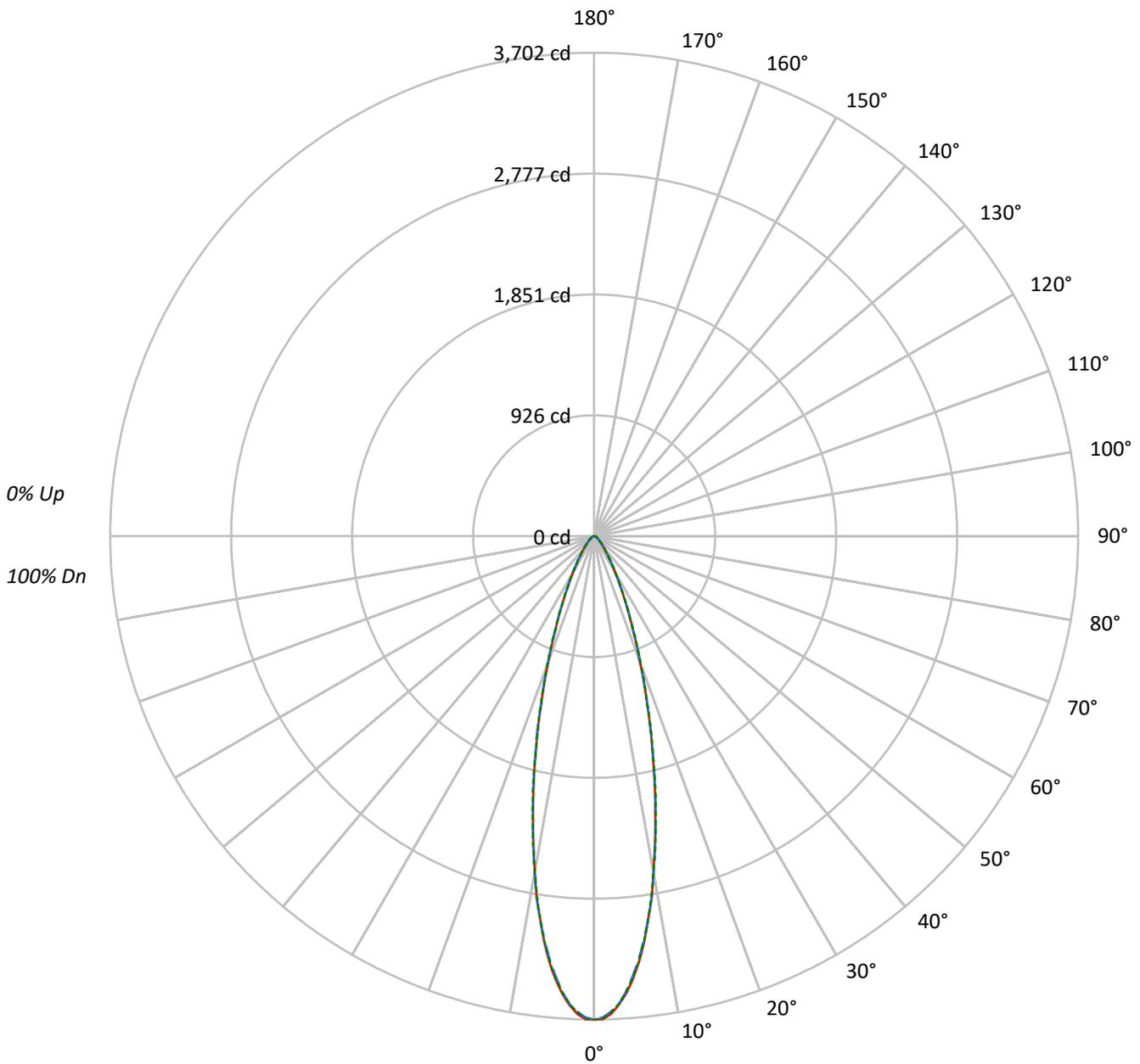
Test Method: LM-79-2019  
Report Number: P1320371  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R209840D010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1300.9 lumens  
Efficiency: N/A  
Efficacy: 47.5 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): 27.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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% Up  
100% Dn

— 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°	637585	637585	637585
5°	588209	584837	586808
10°	456453	457012	457012
15°	308509	309953	309953
20°	187363	189745	190625
25°	109911	111451	111147
30°	64114	65407	65725
35°	39169	40199	40199
40°	25495	25854	26237
45°	17755	18145	18535
50°	13021	13450	13450
55°	10209	10689	10689
60°	8921	8921	9472
65°	7906	7906	8599
70°	7352	7352	7352
75°	6455	6455	6455
80°	4860	4860	6447
85°	3162	3162	6323

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 18535 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	298.5	22.9
10°-20°	478.1	36.7
20°-30°	276.9	21.3
30°-40°	124.1	9.5
40°-50°	58.8	4.5
50°-60°	32.2	2.5
60°-70°	19.5	1.5
70°-80°	10.5	0.8
80°-90°	2.3	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°	1053.4	81.0
0°-40°	1177.6	90.5
0°-60°	1268.6	97.5
0°-90°	1300.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1300.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3702	3702	3702	3702	3702	
5°	3402	3391	3383	3389	3394	299
15°	1730	1730	1738	1730	1738	477
25°	578	578	586	582	585	274
35°	186	188	191	193	191	122
45°	73	73	74	74	76	58
55°	34	34	36	36	36	31
65°	19	19	19	19	21	19
75°	10	10	10	10	10	10
85°	2	2	2	2	3	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3702.1	3702.1	3702.1	3702.1	3702.1
1°	3700.5	3690.7	3687.5	3684.3	3694.0
2°	3663.2	3651.9	3645.4	3648.6	3650.2
3°	3596.8	3590.3	3590.3	3585.4	3588.7
4°	3510.9	3497.9	3497.9	3499.6	3499.6
5°	3402.4	3391.0	3382.9	3389.4	3394.3
6°	3280.8	3266.3	3259.8	3261.4	3272.7
7°	3131.8	3112.3	3115.6	3123.7	3123.7
8°	2963.3	2961.7	2964.9	2961.7	2964.9
9°	2807.8	2785.1	2804.5	2788.3	2796.4
10°	2610.1	2608.5	2613.3	2618.2	2613.3
12.5°	2159.7	2167.8	2171.0	2164.5	2179.1
15°	1730.3	1730.3	1738.4	1730.3	1738.4
17.5°	1346.4	1344.7	1351.2	1344.7	1354.5
20°	1022.3	1033.7	1035.3	1035.3	1040.1
22.5°	771.2	771.2	777.7	779.3	776.1
25°	578.4	578.4	586.5	581.6	584.9
27.5°	427.7	431.0	437.4	440.7	440.7
30°	322.4	324.0	328.9	330.5	330.5
32.5°	243.0	246.3	249.5	251.1	252.7
35°	186.3	187.9	191.2	192.8	191.2
37.5°	142.6	144.2	147.4	149.1	149.1
40°	113.4	113.4	115.0	116.7	116.7
42.5°	89.1	90.7	90.7	92.3	92.3
45°	72.9	72.9	74.5	74.5	76.1
47.5°	58.3	58.3	59.9	61.6	61.6
50°	48.6	48.6	50.2	50.2	50.2
52.5°	40.5	40.5	42.1	42.1	42.1
55°	34.0	34.0	35.6	35.6	35.6
57.5°	29.2	29.2	30.8	30.8	30.8
60°	25.9	25.9	25.9	25.9	27.5
62.5°	22.7	22.7	22.7	22.7	22.7
65°	19.4	19.4	19.4	19.4	21.1
67.5°	16.2	16.2	16.2	16.2	17.8
70°	14.6	14.6	14.6	14.6	14.6
72.5°	11.3	11.3	11.3	13.0	13.0
75°	9.7	9.7	9.7	9.7	9.7
77.5°	8.1	8.1	8.1	8.1	8.1
80°	4.9	4.9	4.9	6.5	6.5
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.6	1.6	1.6	1.6	3.2
87.5°	0.0	0.0	0.0	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)