

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: P1319790

Luminaire Tested: LDSQA3D05R209840DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

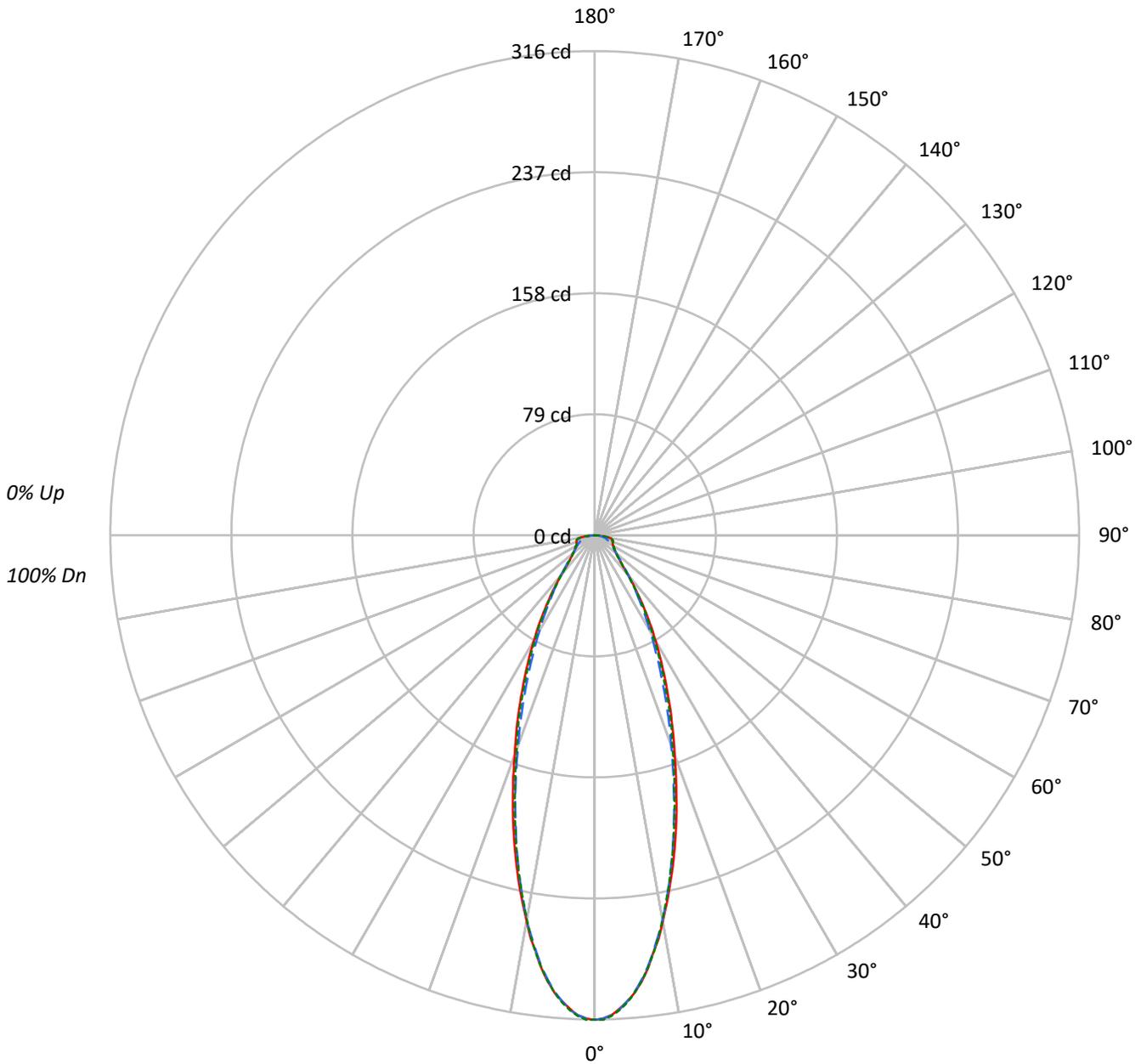
Test Method: LM-79-2019  
Report Number: P1319790  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R209840DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 223.0 lumens  
Efficiency: N/A  
Efficacy: 31.0 lumens/watt  
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65  
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				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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

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

	0°	45°	90°
0°	54457	54457	54457
5°	51812	51691	51812
10°	44734	44594	44524
15°	36301	35463	35606
20°	27968	26740	27253
25°	21245	19687	20656
30°	15750	14358	15293
35°	11143	10386	10975
40°	7666	7666	7487
45°	5626	5918	5626
50°	4930	4930	4930
55°	4714	4594	4714
60°	4857	4443	4857
65°	5257	4483	5257
70°	6345	4532	6345
75°	8118	4991	8118
80°	10116	5058	9720
85°	7707	4742	8497

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 10116 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.1	12.2
10°-20°	55.4	24.8
20°-30°	49.5	22.2
30°-40°	32.5	14.6
40°-50°	18.9	8.5
50°-60°	14.0	6.3
60°-70°	11.8	5.3
70°-80°	9.8	4.4
80°-90°	4.1	1.8
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°	132.0	59.2
0°-40°	164.4	73.7
0°-60°	197.3	88.5
0°-90°	223.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	223.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	316	316	316	316	316	
5°	300	299	299	299	300	27
15°	204	202	199	199	200	56
25°	112	109	104	106	109	51
35°	53	51	49	51	52	34
45°	23	24	24	24	23	19
55°	16	15	15	15	16	14
65°	13	12	11	12	13	13
75°	12	9	8	9	12	12
85°	4	4	2	4	4	5
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	316.2	316.2	316.2	316.2	316.2
1°	315.4	315.8	315.4	315.8	316.2
2°	313.5	313.9	313.5	313.5	313.9
3°	309.5	309.9	309.9	309.9	310.3
4°	304.8	305.2	304.8	305.2	305.6
5°	299.7	299.3	299.0	299.3	299.7
6°	292.7	292.3	291.9	292.3	292.7
7°	284.8	284.4	284.0	284.0	284.4
8°	275.0	275.4	274.2	275.0	275.4
9°	266.4	265.6	264.8	264.8	265.6
10°	255.8	255.0	255.0	254.6	254.6
12.5°	229.9	228.3	227.2	227.2	227.5
15°	203.6	201.7	198.9	199.3	199.7
17.5°	177.3	175.0	171.4	172.2	173.0
20°	152.6	150.3	145.9	147.5	148.7
22.5°	131.4	127.9	124.0	125.2	129.1
25°	111.8	108.7	103.6	106.3	108.7
27.5°	94.5	91.0	86.7	89.4	91.8
30°	79.2	76.1	72.2	74.5	76.9
32.5°	65.5	62.8	60.0	61.6	63.6
35°	53.0	51.4	49.4	51.0	52.2
37.5°	42.8	42.0	41.2	42.0	41.6
40°	34.1	34.5	34.1	34.1	33.3
42.5°	27.1	28.2	28.6	27.9	27.1
45°	23.1	23.5	24.3	23.5	23.1
47.5°	20.4	20.4	20.8	20.4	20.0
50°	18.4	18.4	18.4	18.4	18.4
52.5°	16.9	16.9	16.5	16.9	16.9
55°	15.7	15.3	15.3	15.3	15.7
57.5°	14.9	14.5	14.1	14.5	14.9
60°	14.1	13.3	12.9	13.3	14.1
62.5°	13.3	12.6	12.2	12.6	13.3
65°	12.9	11.8	11.0	11.8	12.9
67.5°	12.6	11.0	10.2	11.0	12.9
70°	12.6	10.2	9.0	10.6	12.6
72.5°	12.2	9.8	8.2	9.8	12.2
75°	12.2	9.0	7.5	9.0	12.2
77.5°	11.4	8.2	6.3	8.2	11.4
80°	10.2	7.5	5.1	7.5	9.8
82.5°	7.5	6.3	3.9	6.3	7.5
85°	3.9	4.3	2.4	4.3	4.3
87.5°	0.4	1.6	0.8	2.4	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)