

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: P1324476

Luminaire Tested: LDSQA3D05R20W2N902765DE010 3LSQPHRLP1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

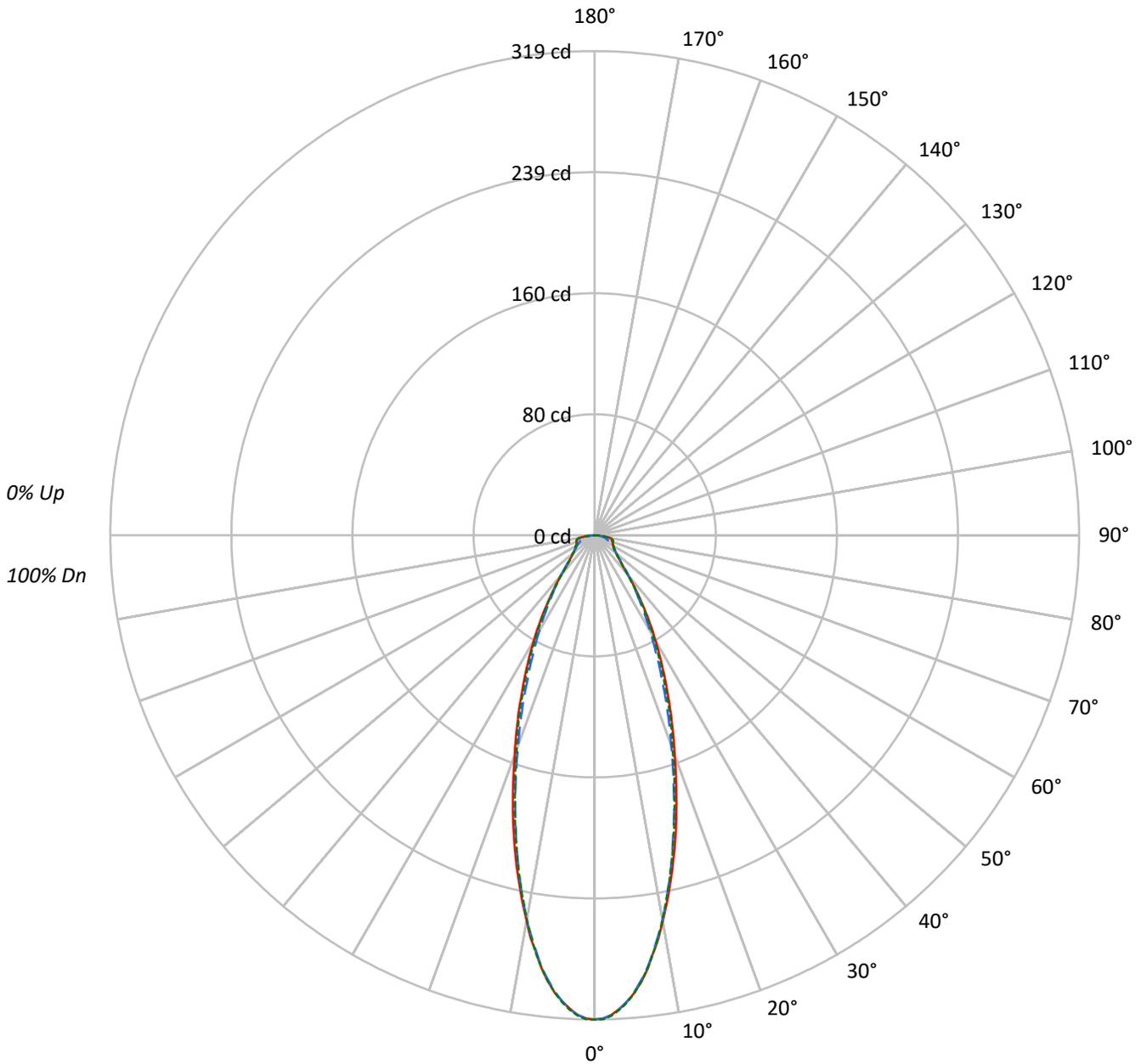
Test Method: LM-79-2019  
Report Number: P1324476  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R20W2N902765DE010 3LSQPHRLP1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,  
3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 225.0 lumens  
Efficiency: N/A  
Efficacy: 38.1 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): 5.9  
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



— 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44

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

	0°	45°	90°
0°	54939	54939	54939
5°	52279	52141	52279
10°	45136	44996	44927
15°	36622	35784	35927
20°	28224	26996	27491
25°	21435	19858	20827
30°	15909	14477	15432
35°	11227	10491	11059
40°	7734	7734	7554
45°	5699	5967	5699
50°	4984	4984	4984
55°	4744	4624	4744
60°	4926	4512	4926
65°	5338	4523	5338
70°	6395	4582	6395
75°	8185	4991	8185
80°	10215	5058	9819
85°	7904	4742	8695

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 10215 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.4	12.2
10°-20°	55.9	24.8
20°-30°	49.9	22.2
30°-40°	32.7	14.6
40°-50°	19.0	8.5
50°-60°	14.1	6.3
60°-70°	12.0	5.3
70°-80°	9.9	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°	133.2	59.2
0°-40°	165.9	73.7
0°-60°	199.1	88.5
0°-90°	225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	225.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	319	319	319	319	319	
5°	302	302	302	302	302	27
15°	205	204	201	201	202	57
25°	113	110	104	107	110	52
35°	53	52	50	52	53	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	13
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°	319.0	319.0	319.0	319.0	319.0
1°	318.3	318.7	318.3	318.7	319.0
2°	316.3	316.7	316.3	316.3	316.7
3°	312.3	312.7	312.7	312.7	313.1
4°	307.6	308.0	307.6	308.0	308.4
5°	302.4	302.0	301.6	302.0	302.4
6°	295.3	294.9	294.5	294.9	295.3
7°	287.4	287.0	286.6	286.6	287.0
8°	277.5	277.9	276.7	277.5	277.9
9°	268.8	268.0	267.2	267.2	268.0
10°	258.1	257.3	257.3	256.9	256.9
12.5°	232.0	230.4	229.2	229.2	229.6
15°	205.4	203.5	200.7	201.1	201.5
17.5°	178.9	176.5	173.0	173.8	174.6
20°	154.0	151.6	147.3	148.8	150.0
22.5°	132.6	129.0	125.1	126.3	130.2
25°	112.8	109.6	104.5	107.3	109.6
27.5°	95.4	91.8	87.5	90.3	92.6
30°	80.0	76.8	72.8	75.2	77.6
32.5°	66.1	63.3	60.6	62.1	64.1
35°	53.4	51.9	49.9	51.5	52.6
37.5°	43.1	42.4	41.6	42.4	42.0
40°	34.4	34.8	34.4	34.4	33.6
42.5°	27.3	28.5	28.9	28.1	27.3
45°	23.4	23.8	24.5	23.8	23.4
47.5°	20.6	20.6	21.0	20.6	20.2
50°	18.6	18.6	18.6	18.6	18.6
52.5°	17.0	17.0	16.6	17.0	17.0
55°	15.8	15.4	15.4	15.4	15.8
57.5°	15.0	14.6	14.3	14.6	15.0
60°	14.3	13.5	13.1	13.5	14.3
62.5°	13.5	12.7	12.3	12.7	13.5
65°	13.1	11.9	11.1	11.9	13.1
67.5°	12.7	11.1	10.3	11.1	13.1
70°	12.7	10.3	9.1	10.7	12.7
72.5°	12.3	9.9	8.3	9.9	12.3
75°	12.3	9.1	7.5	9.1	12.3
77.5°	11.5	8.3	6.3	8.3	11.5
80°	10.3	7.5	5.1	7.5	9.9
82.5°	7.5	6.3	4.0	6.3	7.5
85°	4.0	4.4	2.4	4.4	4.4
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)