

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: P1325535

Luminaire Tested: LDSQA3D05R60W2N902765DE010 3LSQCDR1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

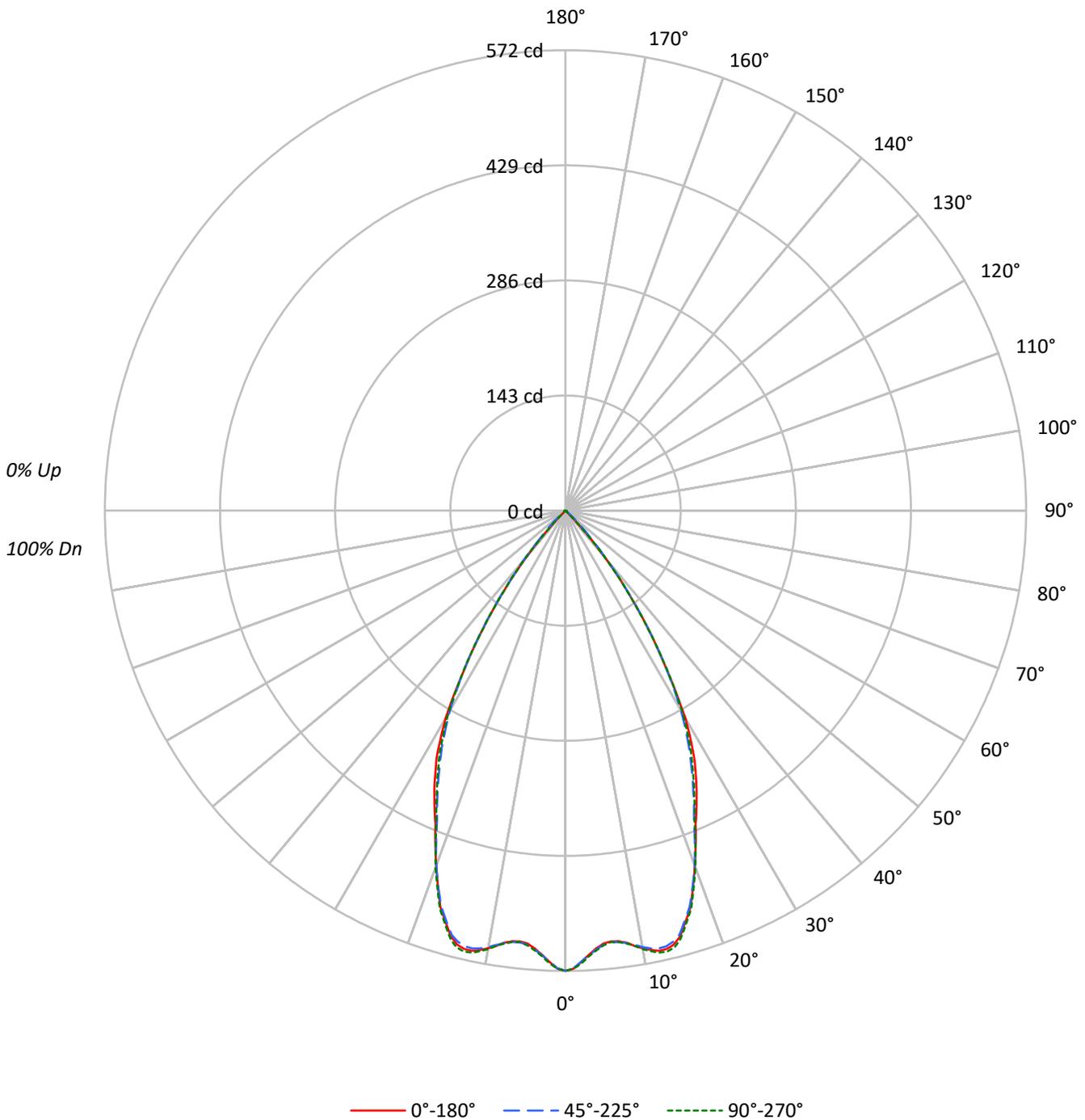
Test Method: LM-79-2019  
Report Number: P1325535  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R60W2N902765DE010 3LSQCDR1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 5000K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 510.0 lumens  
Efficiency: N/A  
Efficacy: 86.4 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9  
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 (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





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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	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	95	95	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	83	83	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	78	78	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	73	73	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	68	68	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	64	64	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	60	60	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	56	56	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	53	53	53	52

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

	0°	45°	90°
0°	98477	98477	98477
5°	93338	93615	93753
10°	96568	96289	96778
15°	97743	97315	98314
20°	86066	85993	86433
25°	73236	71127	71735
30°	59123	57055	58009
35°	37424	37760	37340
40°	17491	18210	17761
45°	1072	6406	1267
50°	536	1500	536
55°	601	601	601
60°	551	551	551
65°	489	652	489
70°	604	604	604
75°	532	532	532
80°	397	397	397
85°	790	790	790

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 6406 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.1	10.2
10°-20°	150.1	29.4
20°-30°	173.0	33.9
30°-40°	111.1	21.8
40°-50°	19.3	3.8
50°-60°	1.8	0.4
60°-70°	1.4	0.3
70°-80°	0.8	0.2
80°-90°	0.3	0.1
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°	375.2	73.6
0°-40°	486.3	95.4
0°-60°	507.5	99.5
0°-90°	510.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	510.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	572	572	572	572	572	
5°	540	541	542	543	542	52
15°	548	546	546	549	551	150
25°	385	381	374	375	378	176
35°	178	177	180	176	178	111
45°	4	13	26	16	5	15
55°	2	2	2	2	2	2
65°	1	2	2	2	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	571.8	571.8	571.8	571.8	571.8
1°	569.4	569.0	568.6	569.0	569.4
2°	561.4	561.0	560.6	562.2	563.0
3°	552.6	553.0	553.4	554.2	554.6
4°	545.4	546.2	546.6	547.4	547.8
5°	539.9	541.1	541.5	542.7	542.3
6°	538.3	539.1	539.5	539.9	539.1
7°	539.1	539.5	539.9	540.7	539.9
8°	541.9	542.3	542.7	543.1	543.1
9°	547.4	546.6	546.2	547.8	547.4
10°	552.2	551.0	550.6	553.0	553.4
11°	556.2	554.6	554.2	557.0	557.8
12°	559.0	556.6	556.2	559.8	561.4
13°	559.0	555.8	555.8	559.8	562.2
14°	555.8	552.2	552.2	556.6	559.4
15°	548.2	546.2	545.8	549.4	551.4
17.5°	516.3	513.9	514.3	518.3	518.7
20°	469.6	468.4	469.2	470.0	471.6
22.5°	422.2	421.4	417.0	418.2	419.0
25°	385.4	381.1	374.3	374.7	377.5
27.5°	346.7	342.4	332.8	334.8	337.6
30°	297.3	293.7	286.9	288.1	291.7
32.5°	233.4	240.6	234.2	236.2	235.0
35°	178.0	176.8	179.6	176.0	177.6
37.5°	125.3	125.7	126.9	123.7	123.7
40°	77.8	79.8	81.0	79.4	79.0
42.5°	32.7	44.7	47.1	44.7	33.1
45°	4.4	13.2	26.3	15.6	5.2
47.5°	2.0	2.8	14.0	2.8	2.0
50°	2.0	2.0	5.6	2.0	2.0
52.5°	2.0	2.0	2.0	2.0	2.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0	2.0
60°	1.6	1.6	1.6	1.6	1.6
62.5°	1.6	1.6	1.6	1.6	1.6
65°	1.2	1.6	1.6	1.6	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.4	0.4
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)