

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: P1318992

Luminaire Tested: LDSQA3D05R509835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

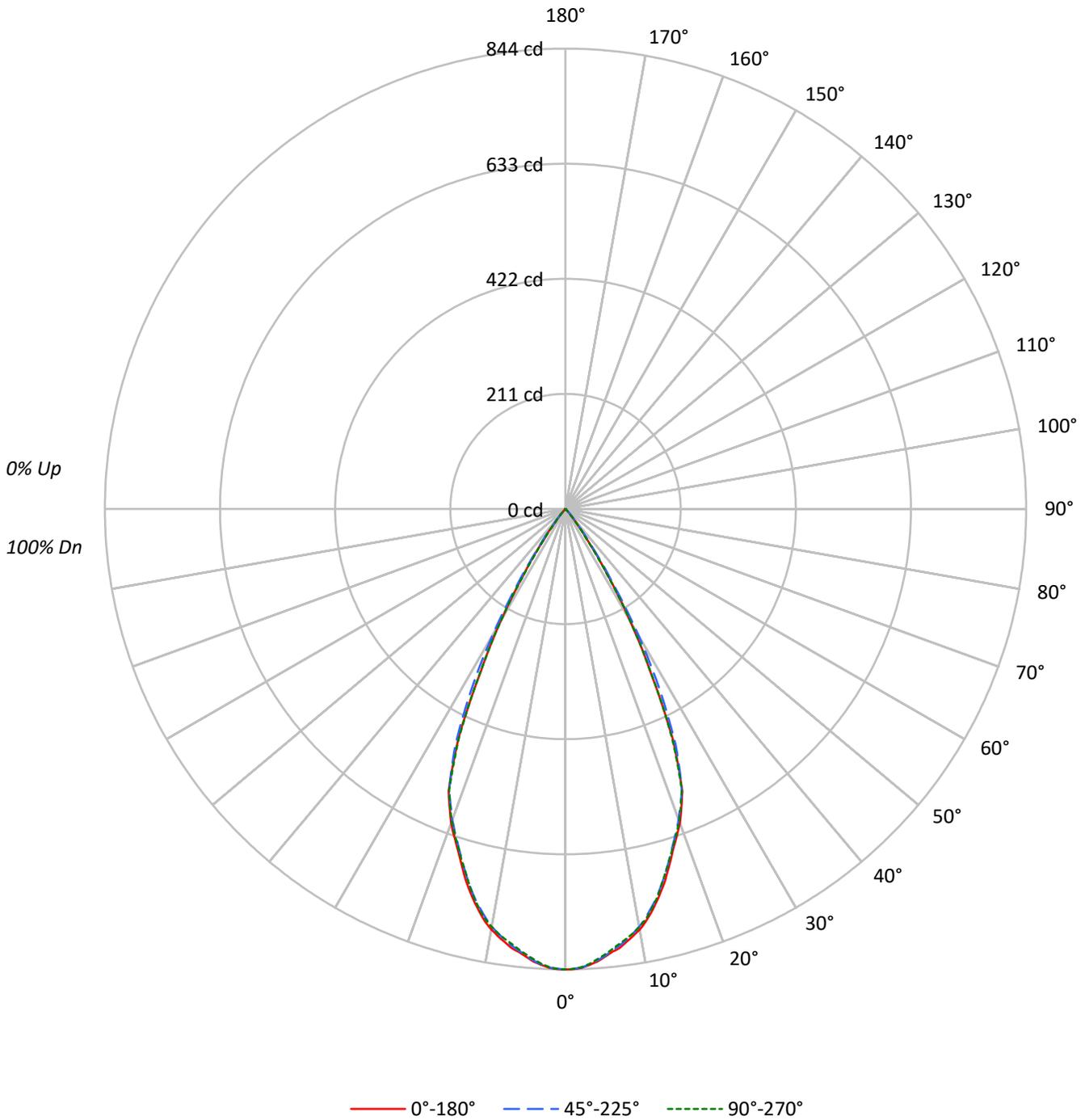
Test Method: LM-79-2019  
Report Number: P1318992  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R509835DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 544.1 lumens  
Efficiency: N/A  
Efficacy: 75.6 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
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 (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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	86	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

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

	0°	45°	90°
0°	145373	145373	145373
5°	142523	142263	141866
10°	136948	136004	136074
15°	125718	124559	124416
20°	112311	111120	111688
25°	88267	90852	87545
30°	47231	52918	47390
35°	15432	18018	14528
40°	3822	4766	3642
45°	463	1705	463
50°	322	509	322
55°	360	360	360
60°	276	276	276
65°	326	326	326
70°	201	201	201
75°	266	266	266
80°	397	397	397
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1705 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.2	14.2
10°-20°	195.2	35.9
20°-30°	205.3	37.7
30°-40°	59.2	10.9
40°-50°	4.8	0.9
50°-60°	1.1	0.2
60°-70°	0.8	0.1
70°-80°	0.4	0.1
80°-90°	0.1	0.0
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°	477.7	87.8
0°-40°	536.9	98.7
0°-60°	542.8	99.8
0°-90°	544.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	544.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	844	844	844	844	844	
5°	824	824	823	824	821	77
15°	705	700	699	699	698	196
25°	464	476	478	473	461	201
35°	73	76	86	73	69	57
45°	2	4	7	4	2	4
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	844.1	844.1	844.1	844.1	844.1
1°	843.8	844.5	843.0	845.7	843.4
2°	841.8	842.2	841.4	843.4	840.3
3°	837.2	838.0	836.4	838.0	835.3
4°	831.8	831.8	830.2	831.4	827.9
5°	824.4	824.1	822.9	823.7	820.6
6°	816.7	816.3	814.4	814.4	812.1
7°	810.9	808.2	806.7	806.3	804.0
8°	801.7	800.9	797.8	797.8	796.3
9°	792.4	791.6	788.1	788.9	787.8
10°	783.1	780.4	777.7	778.1	778.1
11°	770.8	768.5	764.6	766.1	766.9
12°	756.1	753.4	749.9	753.0	752.6
13°	739.9	737.6	734.9	737.2	736.4
14°	722.9	719.4	717.1	718.6	717.9
15°	705.1	700.5	698.6	698.6	697.8
17.5°	655.3	652.6	650.7	649.5	652.2
20°	612.8	610.5	606.3	607.4	609.4
22.5°	559.5	559.2	556.8	554.9	557.2
25°	464.5	476.1	478.1	472.7	460.7
27.5°	337.5	364.5	374.2	361.4	339.4
30°	237.5	250.2	266.1	241.0	238.3
32.5°	143.3	146.7	161.4	144.0	140.2
35°	73.4	76.1	85.7	73.4	69.1
37.5°	34.4	35.9	39.8	34.4	32.1
40°	17.0	18.9	21.2	17.8	16.2
42.5°	7.3	9.7	12.4	9.3	6.6
45°	1.9	3.9	7.0	3.9	1.9
47.5°	1.2	1.5	3.9	1.5	1.2
50°	1.2	1.2	1.9	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	0.8	1.2	0.8	1.2	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.4	0.0	0.4	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)