

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: P1316560

Luminaire Tested: LDSQA3D13R209740DE010 3LSQPHR1MB

Issue Date: 1/29/2026

**Test Information**

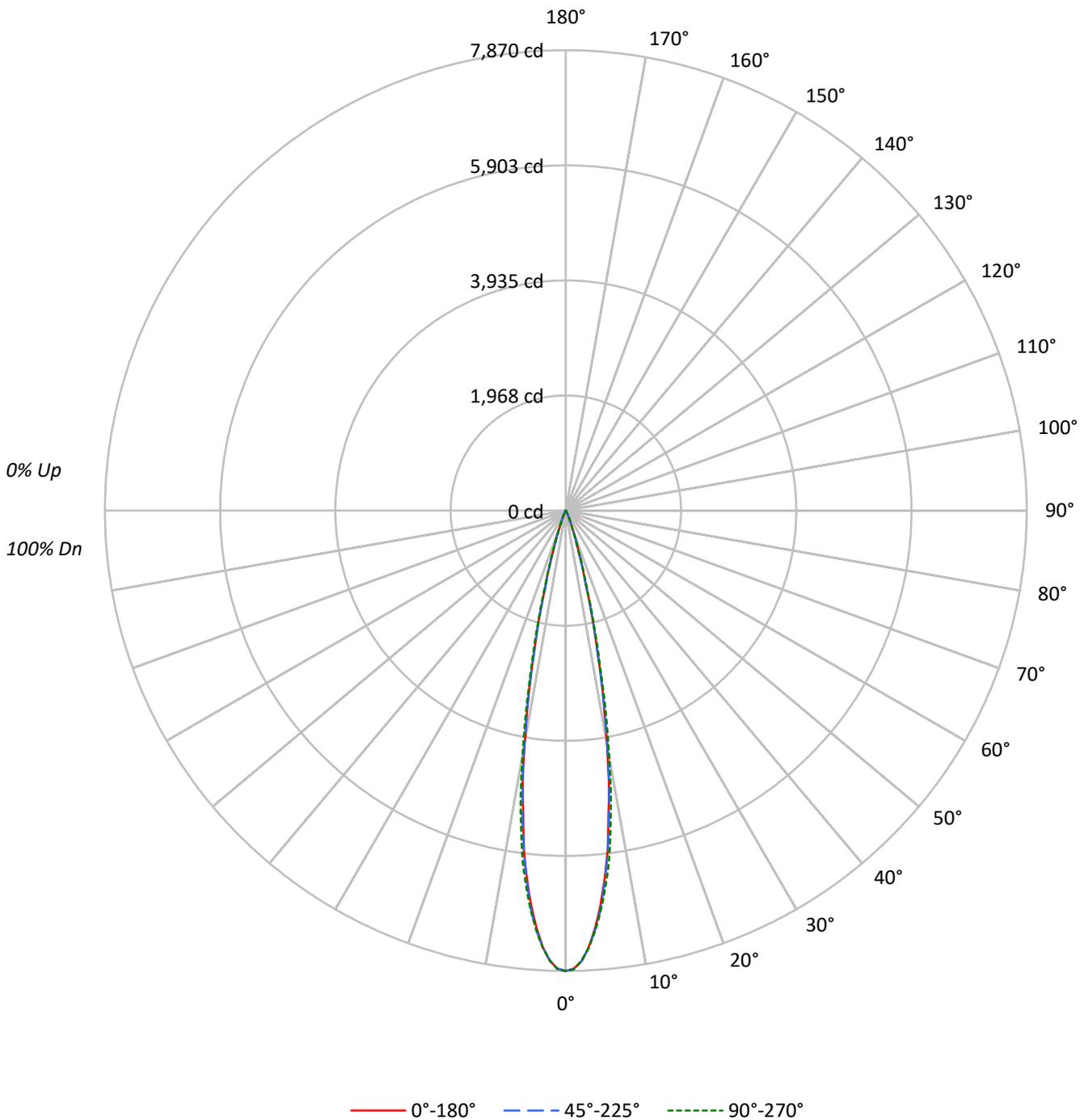
Test Method: LM-79-2019  
Report Number: P1316560  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R209740DE010 3LSQPHR1MB  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1057.0 lumens  
Efficiency: N/A  
Efficacy: 72.4 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.6  
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





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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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	95	93	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	91	88	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	89	87	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	88	86	84	83

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

	0°	45°	90°
0°	1355341	1355341	1355341
5°	1170850	1181759	1186150
10°	704834	711427	746823
15°	243787	238081	257052
20°	64036	60224	60408
25°	13967	16817	19155
30°	5986	5986	6185
35°	3364	2964	3175
40°	1484	1686	1911
45°	463	682	682
50°	241	241	241
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 682 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	562.9	53.3
10°-20°	428.5	40.5
20°-30°	53.0	5.0
30°-40°	10.0	0.9
40°-50°	2.4	0.2
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1044.4	98.8
0°-40°	1054.4	99.8
0°-60°	1057.0	100.0
0°-90°	1057.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1057.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7870	7870	7870	7870	7870	
5°	6773	6768	6836	6831	6861	559
15°	1367	1318	1335	1415	1442	428
25°	74	84	88	92	101	51
35°	16	16	14	15	15	10
45°	2	3	3	3	3	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
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°	7869.7	7869.7	7869.7	7869.7	7869.7
1°	7832.9	7823.5	7831.1	7815.1	7848.0
2°	7707.7	7698.3	7698.3	7688.9	7693.6
3°	7474.2	7489.2	7479.8	7460.0	7485.5
4°	7155.9	7172.8	7187.9	7188.8	7192.6
5°	6772.6	6767.9	6835.7	6831.0	6861.1
6°	6335.7	6330.0	6359.2	6408.2	6468.4
7°	5855.4	5786.7	5864.8	5963.7	6044.7
8°	5233.9	5251.8	5305.5	5422.2	5487.2
9°	4706.5	4602.0	4716.0	4855.3	4926.0
10°	4030.4	3945.7	4068.1	4215.0	4270.5
12.5°	2536.9	2463.5	2503.0	2657.4	2681.9
15°	1367.3	1318.4	1335.3	1415.4	1441.7
17.5°	697.8	653.5	644.1	695.0	700.6
20°	349.4	339.0	328.6	333.4	329.6
22.5°	162.0	176.1	174.2	164.8	176.1
25°	73.5	83.8	88.5	92.3	100.8
27.5°	45.2	43.3	49.9	53.7	54.6
30°	30.1	29.2	30.1	31.1	31.1
32.5°	21.7	20.7	19.8	19.8	20.7
35°	16.0	16.0	14.1	15.1	15.1
37.5°	11.3	11.3	10.4	11.3	11.3
40°	6.6	7.5	7.5	7.5	8.5
42.5°	3.8	4.7	4.7	4.7	4.7
45°	1.9	2.8	2.8	2.8	2.8
47.5°	0.9	0.9	0.9	1.9	1.9
50°	0.9	0.9	0.9	0.9	0.9
52.5°	0.9	0.0	0.0	0.0	0.9
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)