

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: P1318325

Luminaire Tested: LDSQA3D13R209830DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

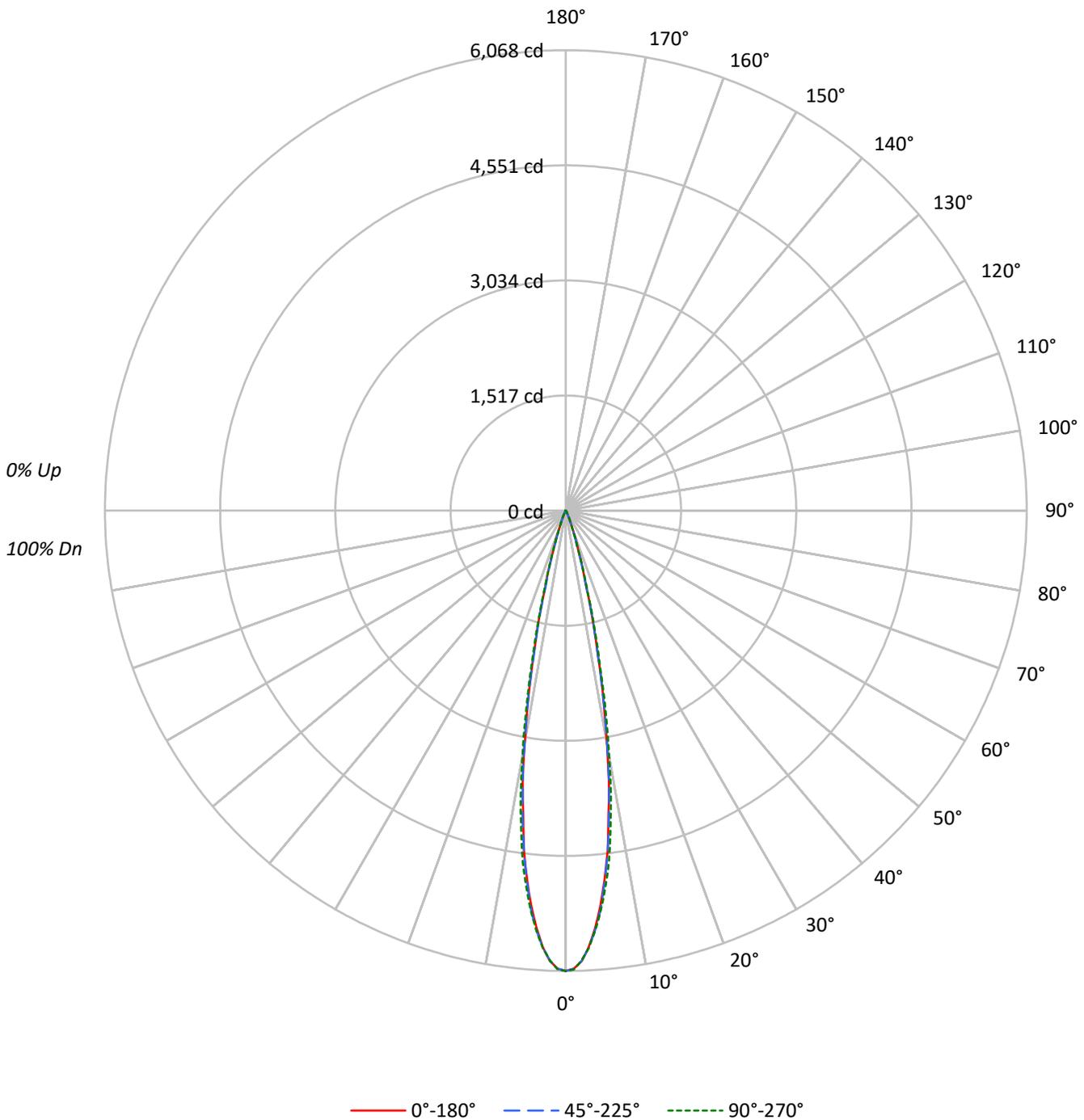
Test Method: LM-79-2019  
Report Number: P1318325  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R209830DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 815.0 lumens  
Efficiency: N/A  
Efficacy: 56.2 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): 14.5  
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	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	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	84	83

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

	0°	45°	90°
0°	1045030	1045030	1045030
5°	902782	911201	914590
10°	543473	548544	575843
15°	187980	183576	198196
20°	49374	46442	46570
25°	10756	12979	14765
30°	4614	4614	4773
35°	2586	2292	2439
40°	1147	1304	1461
45°	365	536	536
50°	188	188	188
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: 536 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	434.0	53.3
10°-20°	330.4	40.5
20°-30°	40.9	5.0
30°-40°	7.7	0.9
40°-50°	1.9	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°	805.3	98.8
0°-40°	813.0	99.8
0°-60°	815.0	100.0
0°-90°	815.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	815.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6068	6068	6068	6068	6068	
5°	5222	5218	5271	5267	5290	431
15°	1054	1016	1030	1091	1112	330
25°	57	65	68	71	78	39
35°	12	12	11	12	12	8
45°	2	2	2	2	2	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°	6067.9	6067.9	6067.9	6067.9	6067.9
1°	6039.6	6032.3	6038.1	6025.8	6051.2
2°	5943.0	5935.8	5935.8	5928.5	5932.1
3°	5763.0	5774.6	5767.3	5752.1	5771.7
4°	5517.5	5530.6	5542.2	5543.0	5545.9
5°	5222.0	5218.4	5270.7	5267.0	5290.3
6°	4885.1	4880.8	4903.3	4941.0	4987.5
7°	4514.8	4461.8	4522.1	4598.3	4660.8
8°	4035.6	4049.4	4090.8	4180.8	4230.9
9°	3629.0	3548.4	3636.2	3743.7	3798.2
10°	3107.7	3042.3	3136.7	3250.0	3292.8
12.5°	1956.1	1899.4	1929.9	2049.0	2067.9
15°	1054.3	1016.5	1029.6	1091.3	1111.6
17.5°	538.0	503.9	496.6	535.9	540.2
20°	269.4	261.4	253.4	257.0	254.1
22.5°	124.9	135.8	134.3	127.1	135.8
25°	56.6	64.6	68.3	71.2	77.7
27.5°	34.9	33.4	38.5	41.4	42.1
30°	23.2	22.5	23.2	24.0	24.0
32.5°	16.7	16.0	15.2	15.2	16.0
35°	12.3	12.3	10.9	11.6	11.6
37.5°	8.7	8.7	8.0	8.7	8.7
40°	5.1	5.8	5.8	5.8	6.5
42.5°	2.9	3.6	3.6	3.6	3.6
45°	1.5	2.2	2.2	2.2	2.2
47.5°	0.7	0.7	0.7	1.5	1.5
50°	0.7	0.7	0.7	0.7	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
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)