

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: P1311498

Luminaire Tested: LDSQA3D13R359040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

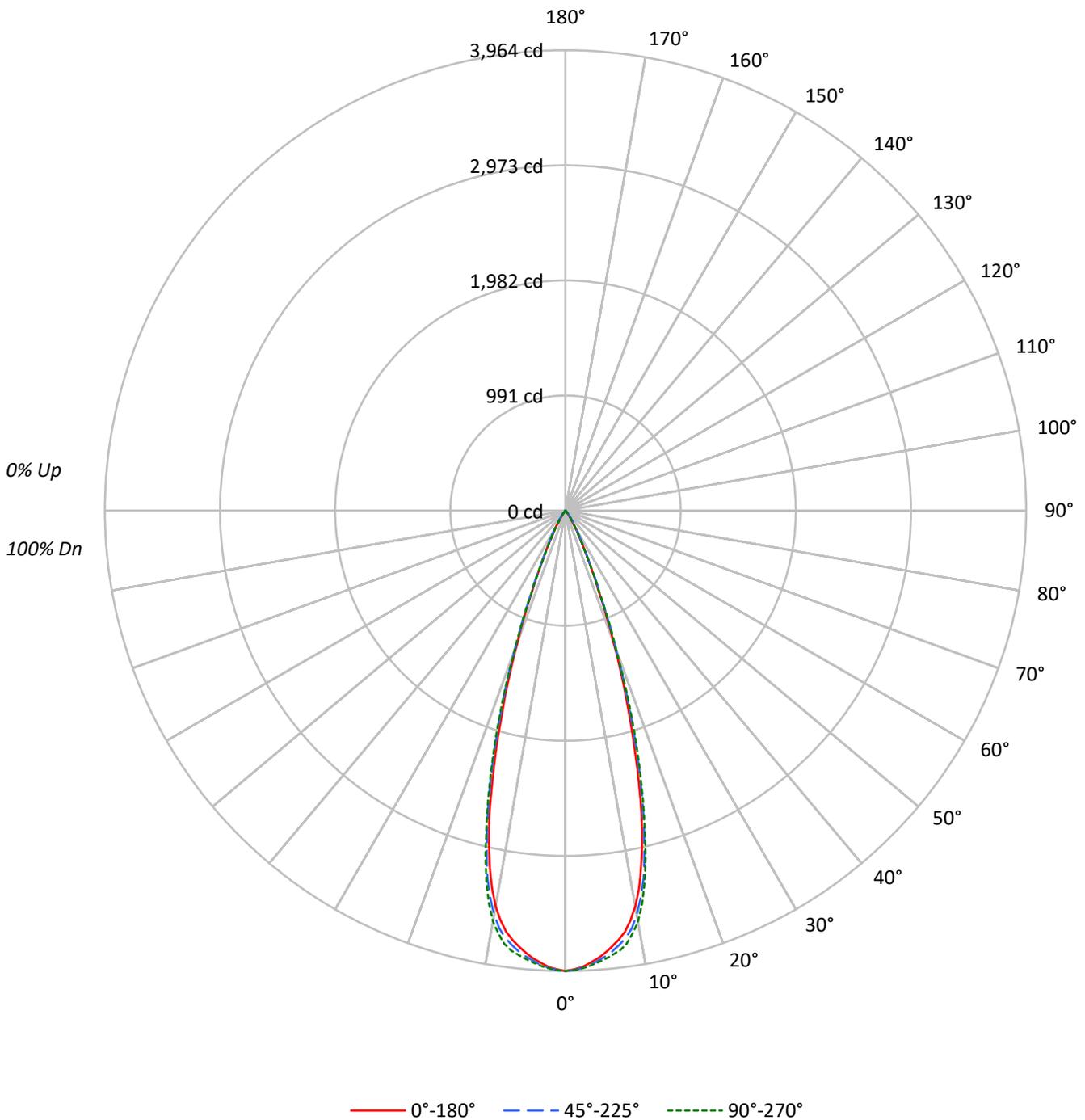
Test Method: LM-79-2019  
Report Number: P1311498  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R359040DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1320.0 lumens  
Efficiency: N/A  
Efficacy: 90.4 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	96	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	93	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	89	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	86	86
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	83	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	80	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78	78	78
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	75	75	75
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	73	73	73
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	71	71	71

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

	0°	45°	90°
0°	682777	682777	682777
5°	662080	666766	670396
10°	605013	617797	628412
15°	435083	454089	457816
20°	221507	232613	233200
25°	84030	85835	83441
30°	32634	37844	31818
35°	11206	17576	10554
40°	3755	6812	3530
45°	244	2289	244
50°	0	268	0
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: 45°  
 Vertical Angle: 45°  
 Luminance: 2289 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	358.9	27.2
10°-20°	668.6	50.7
20°-30°	240.3	18.2
30°-40°	46.9	3.6
40°-50°	5.2	0.4
50°-60°	0.0	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°	1267.8	96.0
0°-40°	1314.8	99.6
0°-60°	1320.0	100.0
0°-90°	1320.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1320.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3964	3964	3964	3964	3964	
5°	3830	3840	3857	3875	3878	355
15°	2440	2481	2547	2565	2568	648
25°	442	446	452	448	439	232
35°	53	61	84	62	50	40
45°	1	3	9	3	1	3
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°	3964.5	3964.5	3964.5	3964.5	3964.5
1°	3953.0	3958.3	3959.3	3966.6	3958.3
2°	3936.3	3939.4	3943.6	3949.9	3945.7
3°	3903.9	3910.2	3919.6	3927.9	3927.9
4°	3869.4	3877.8	3889.3	3903.9	3902.8
5°	3829.7	3840.1	3856.8	3874.6	3877.8
6°	3779.5	3792.0	3819.2	3844.3	3848.5
7°	3726.2	3745.0	3771.1	3807.7	3817.1
8°	3663.4	3678.1	3715.7	3758.6	3769.0
9°	3571.4	3593.4	3641.5	3681.2	3687.5
10°	3459.6	3475.2	3532.7	3574.6	3593.4
11°	3315.3	3338.3	3394.7	3437.6	3450.1
12°	3131.3	3164.7	3230.6	3262.0	3272.4
13°	2932.6	2960.9	3012.1	3050.8	3059.1
14°	2708.9	2736.1	2789.4	2820.8	2813.4
15°	2440.2	2481.0	2546.8	2564.6	2567.7
17.5°	1802.4	1828.6	1887.1	1915.4	1935.2
20°	1208.6	1233.7	1269.2	1288.1	1272.4
22.5°	735.0	755.9	774.7	773.7	768.4
25°	442.2	446.4	451.7	448.5	439.1
27.5°	258.2	269.7	285.4	275.0	259.3
30°	164.1	173.6	190.3	172.5	160.0
32.5°	86.8	109.8	127.6	103.5	91.0
35°	53.3	60.6	83.6	61.7	50.2
37.5°	32.4	37.6	52.3	36.6	29.3
40°	16.7	24.0	30.3	22.0	15.7
42.5°	5.2	11.5	16.7	10.5	5.2
45°	1.0	3.1	9.4	3.1	1.0
47.5°	0.0	0.0	4.2	1.0	0.0
50°	0.0	0.0	1.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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



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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)