

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: P1314810

Luminaire Tested: LDSQA3D17R359730DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

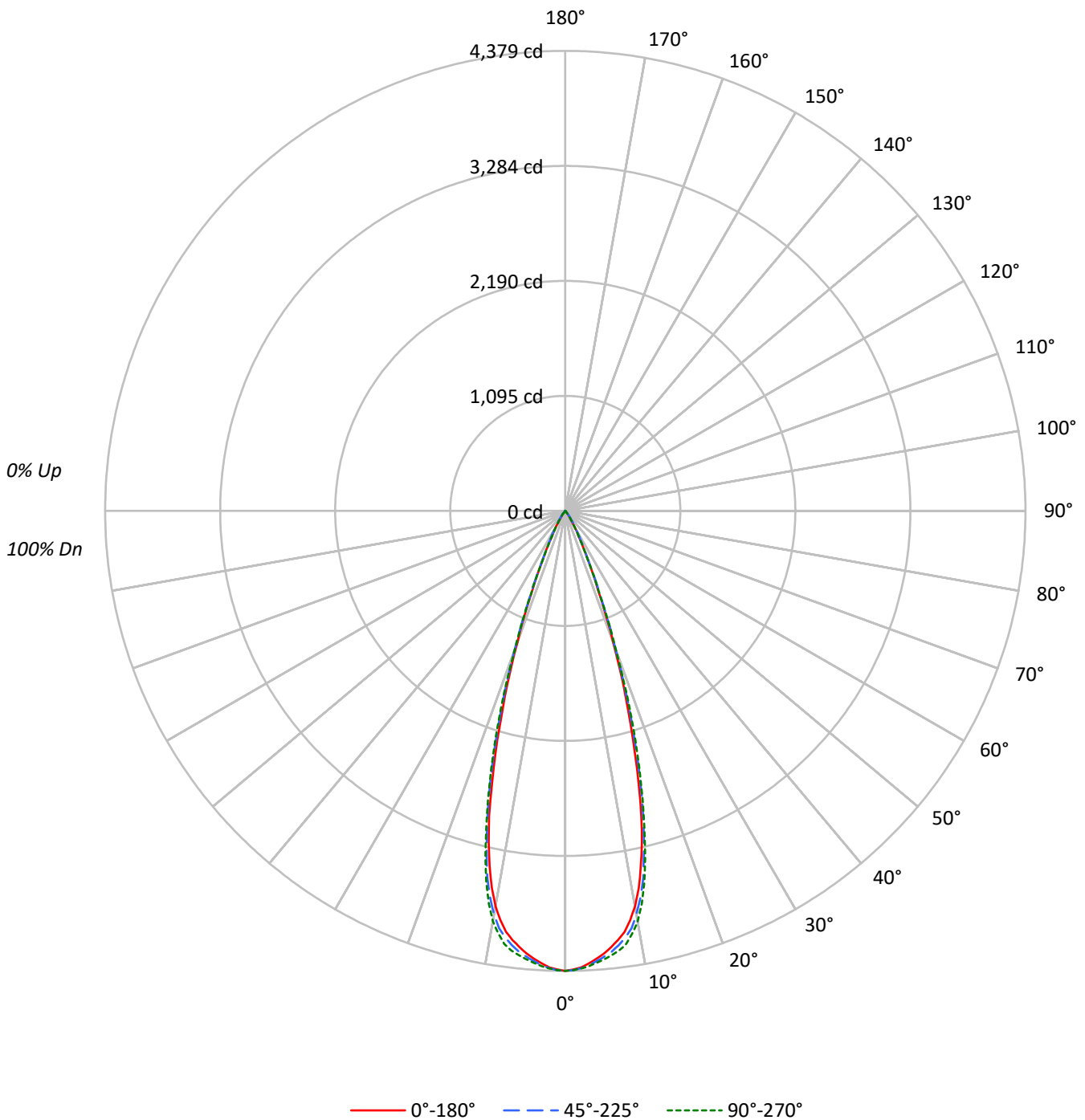
Test Method: LM-79-2019  
Report Number: P1314810  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359730DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1458.0 lumens  
Efficiency: N/A  
Efficacy: 68.8 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): 21.2  
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	100	100	100	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	96	96	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	93	93	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	89	89	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	86	86	86
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	83	83	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	80	80	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78	78	78	78
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	75	75	75	75
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	73	73	73	73
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	71	71	71	71

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

	0°	45°	90°
0°	754163	754163	754163
5°	731285	736488	740482
10°	668249	682397	694097
15°	480567	501570	505689
20°	244654	256934	257575
25°	92828	94804	92163
30°	36054	41802	35140
35°	12383	19427	11648
40°	4159	7531	3889
45°	292	2533	292
50°	0	322	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: 2533 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	396.4	27.2
10°-20°	738.5	50.7
20°-30°	265.5	18.2
30°-40°	51.8	3.6
40°-50°	5.8	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°	1400.4	96.0
0°-40°	1452.2	99.6
0°-60°	1458.0	100.0
0°-90°	1458.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1458.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4379	4379	4379	4379	4379	
5°	4230	4242	4260	4280	4283	392
15°	2695	2740	2813	2833	2836	716
25°	488	493	499	495	485	256
35°	59	67	92	68	55	44
45°	1	4	10	4	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°	4379.0	4379.0	4379.0	4379.0	4379.0
1°	4366.3	4372.1	4373.2	4381.3	4372.1
2°	4347.8	4351.3	4355.9	4362.8	4358.2
3°	4312.0	4319.0	4329.3	4338.6	4338.6
4°	4273.9	4283.2	4295.9	4312.0	4310.9
5°	4230.0	4241.6	4260.1	4279.7	4283.2
6°	4174.6	4188.5	4218.5	4246.2	4250.8
7°	4115.7	4136.5	4165.4	4205.8	4216.2
8°	4046.4	4062.6	4104.2	4151.5	4163.1
9°	3944.8	3969.0	4022.2	4066.1	4073.0
10°	3821.2	3838.6	3902.1	3948.3	3969.0
11°	3661.9	3687.3	3749.6	3797.0	3810.8
12°	3458.6	3495.6	3568.3	3603.0	3614.5
13°	3239.2	3270.4	3327.0	3369.7	3378.9
14°	2992.1	3022.1	3081.0	3115.7	3107.6
15°	2695.3	2740.3	2813.1	2832.7	2836.2
17.5°	1990.9	2019.7	2084.4	2115.6	2137.5
20°	1334.9	1362.7	1401.9	1422.7	1405.4
22.5°	811.8	834.9	855.7	854.6	848.8
25°	488.5	493.1	498.9	495.4	485.0
27.5°	285.2	297.9	315.3	303.7	286.4
30°	181.3	191.7	210.2	190.5	176.7
32.5°	95.8	121.3	140.9	114.3	100.5
35°	58.9	67.0	92.4	68.1	55.4
37.5°	35.8	41.6	57.7	40.4	32.3
40°	18.5	26.6	33.5	24.3	17.3
42.5°	5.8	12.7	18.5	11.5	5.8
45°	1.2	3.5	10.4	3.5	1.2
47.5°	0.0	0.0	4.6	1.2	0.0
50°	0.0	0.0	1.2	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)