

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: P1315784

Luminaire Tested: LDSQA3D17R359735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315784  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359735DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

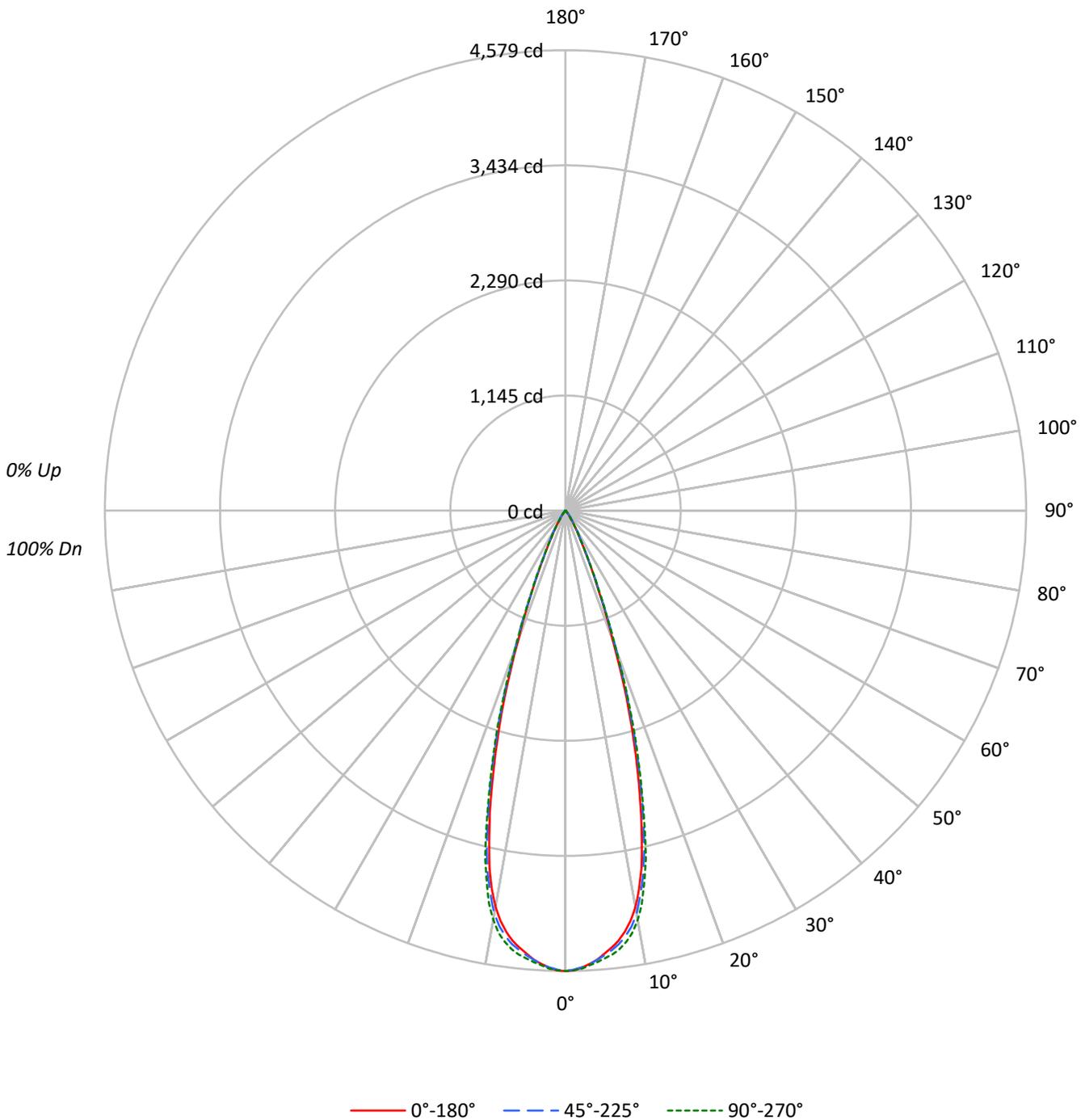
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1538.0 lumens  
Efficiency: N/A  
Efficacy: 72.5 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 (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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	83	81	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	71	70

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

	0°	45°	90°
0°	788539	788539	788539
5°	765204	767901	773087
10°	699972	712144	723057
15°	502444	520844	526193
20°	252737	267472	268132
25°	95792	98757	99213
30°	38898	44625	38182
35°	14128	21445	13624
40°	5935	9173	5665
45°	1461	3800	1461
50°	965	1608	965
55°	1081	1081	1081
60°	1240	1240	1240
65°	978	978	978
70°	604	604	604
75°	799	799	799
80°	1190	1190	1190
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3800 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	414.0	26.9
10°-20°	771.2	50.1
20°-30°	277.4	18.0
30°-40°	58.3	3.8
40°-50°	10.0	0.7
50°-60°	3.3	0.2
60°-70°	2.4	0.2
70°-80°	1.3	0.1
80°-90°	0.2	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°	1462.5	95.1
0°-40°	1520.8	98.9
0°-60°	1534.1	99.7
0°-90°	1538.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1538.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4579	4579	4579	4579	4579	
5°	4426	4435	4442	4472	4472	410
15°	2818	2867	2921	2952	2951	750
25°	504	511	520	524	522	268
35°	67	79	102	78	65	51
45°	6	10	16	10	6	7
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	4578.6	4578.6	4578.6	4578.6	4578.6
1°	4576.2	4576.2	4566.6	4577.4	4573.8
2°	4551.0	4553.4	4547.4	4560.6	4559.4
3°	4516.2	4522.2	4517.4	4536.6	4530.6
4°	4479.0	4483.8	4481.4	4505.4	4503.0
5°	4426.2	4434.6	4441.8	4471.8	4471.8
6°	4372.2	4380.6	4396.2	4428.6	4439.4
7°	4309.8	4320.6	4345.8	4389.0	4396.2
8°	4230.6	4242.6	4277.4	4324.2	4333.8
9°	4132.2	4150.2	4189.8	4246.2	4252.2
10°	4002.6	4017.0	4072.2	4119.0	4134.6
11°	3834.5	3846.5	3895.8	3971.4	3981.0
12°	3630.5	3644.9	3708.5	3757.7	3767.3
13°	3372.5	3400.1	3476.9	3524.9	3551.3
14°	3107.2	3144.4	3199.7	3268.1	3251.3
15°	2818.0	2867.2	2921.2	2952.4	2951.2
17.5°	2108.7	2137.5	2185.5	2203.5	2227.5
20°	1379.0	1416.2	1459.4	1476.2	1463.0
22.5°	855.7	865.3	878.5	885.7	883.3
25°	504.1	511.3	519.7	524.5	522.1
27.5°	303.6	320.4	332.4	318.0	309.6
30°	195.6	202.8	224.4	205.2	192.0
32.5°	116.4	133.2	151.2	128.4	111.6
35°	67.2	79.2	102.0	78.0	64.8
37.5°	43.2	49.2	66.0	48.0	42.0
40°	26.4	33.6	40.8	31.2	25.2
42.5°	13.2	20.4	24.0	18.0	13.2
45°	6.0	9.6	15.6	9.6	6.0
47.5°	3.6	4.8	9.6	4.8	3.6
50°	3.6	3.6	6.0	3.6	3.6
52.5°	3.6	3.6	3.6	3.6	3.6
55°	3.6	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	3.6	3.6	3.6
60°	3.6	3.6	3.6	3.6	3.6
62.5°	2.4	2.4	2.4	2.4	2.4
65°	2.4	2.4	2.4	2.4	2.4
67.5°	2.4	2.4	2.4	2.4	2.4
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	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)