

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P839983

Luminaire Tested: **LDS4C35D010 EU4359040 4LBSLI**

Issue Date: 8/24/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839983  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208407)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/24/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDS4C35D010 EU4359040 4LBSLI  
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LBS TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

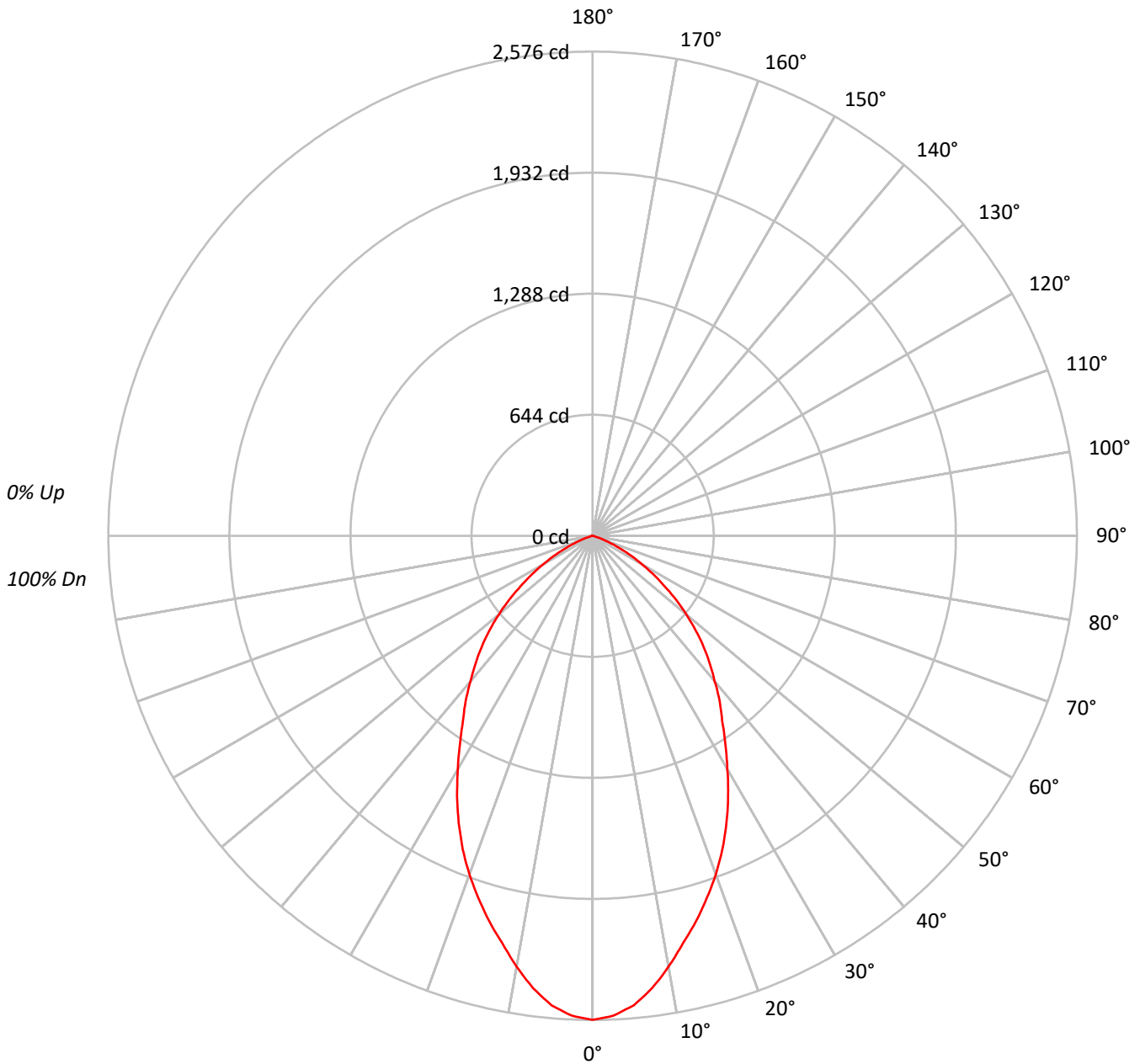
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3607.0 lumens  
Efficiency: N/A  
Efficacy: 89.3 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 40.4  
Input Voltage (V):  
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: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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																			
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90																			
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80																			
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	79	76	73	71																			
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63																			
5	84	73	66	61	82	72	65	60	70	64	60	69	63	59	67	62	59	57																			
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51																			
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46																			
8	69	57	50	45	68	57	50	45	55	49	45	54	49	44	53	48	44	42																			
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39																			
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36																			

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

	0°
0°	316409
5°	309244
10°	290402
15°	270184
20°	250585
25°	228422
30°	203355
35°	180257
40°	162010
45°	145004
50°	124385
55°	100069
60°	74547
65°	47587
70°	22953
75°	3797
80°	2830
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	233.5	6.5
10°-20°	595.6	16.5
20°-30°	771.8	21.4
30°-40°	756.2	21.0
40°-50°	641.0	17.8
50°-60°	420.2	11.6
60°-70°	168.9	4.7
70°-80°	19.3	0.5
80°-90°	0.5	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°	1600.9	44.4
0°-40°	2357.1	65.3
0°-60°	3418.3	94.8
0°-90°	3607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3607.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2576	
5°	2508	234
15°	2124	596
25°	1685	772
35°	1202	756
45°	835	641
55°	467	420
65°	164	169
75°	8	19
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2575.5
2.5°	2555.5
5°	2507.6
7.5°	2427.7
10°	2327.9
12.5°	2220.1
15°	2124.3
17.5°	2020.5
20°	1916.7
22.5°	1804.9
25°	1685.1
27.5°	1561.3
30°	1433.5
32.5°	1313.7
35°	1201.9
37.5°	1110.1
40°	1010.2
42.5°	922.4
45°	834.6
47.5°	742.7
50°	650.8
52.5°	559.1
55°	467.2
57.5°	383.3
60°	303.4
62.5°	231.6
65°	163.7
67.5°	107.8
70°	63.9
72.5°	27.9
75°	8.0
77.5°	4.0
80°	4.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)