

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: P839962

Luminaire Tested: **LDS4C35D010 EU4359030 4LBSH**

Issue Date: 8/24/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839962  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/24/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDS4C35D010 EU4359030 4LBSH  
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

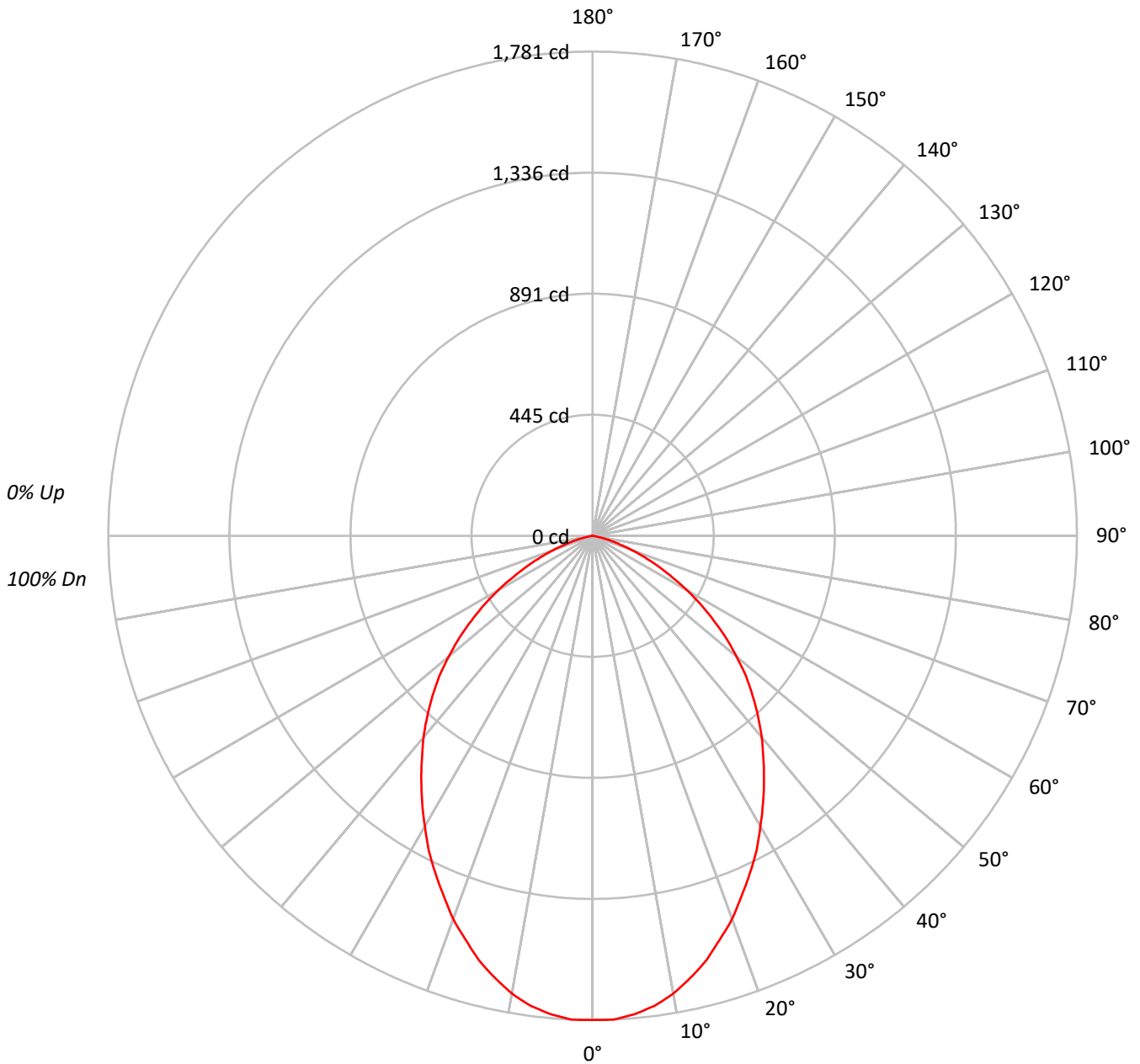
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3406.0 lumens  
Efficiency: N/A  
Efficacy: 84.3 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17  
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

TEST NUMBER: P839962

CATALOG NUMBER: LDS4C35D010 EU4359030 4LBSH

### Luminous Intensity Polar Plot





TEST NUMBER: P839962

CATALOG NUMBER: LDS4C35D010 EU4359030 4LBSH

**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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

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

	0°
0°	218839
5°	217825
10°	213333
15°	205573
20°	196120
25°	185546
30°	175026
35°	164794
40°	155162
45°	144639
50°	131896
55°	116476
60°	98602
65°	77412
70°	55245
75°	30284
80°	5306
85°	0



TEST NUMBER: P839962

CATALOG NUMBER: LDS4C35D010 EU4359030 4LSBH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.9	4.9
10°-20°	453.5	13.3
20°-30°	629.8	18.5
30°-40°	687.3	20.2
40°-50°	641.1	18.8
50°-60°	486.6	14.3
60°-70°	266.5	7.8
70°-80°	73.3	2.2
80°-90°	1.0	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°	1250.2	36.7
0°-40°	1937.5	56.9
0°-60°	3065.2	90.0
0°-90°	3406.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3406.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1781	
5°	1766	167
15°	1616	454
25°	1369	630
35°	1099	687
45°	832	641
55°	544	487
65°	266	266
75°	64	73
85°	0	1
90°	0	



TEST NUMBER: P839962

CATALOG NUMBER: LDS4C35D010 EU4359030 4LBSH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1781.3
2.5°	1781.3
5°	1766.3
7.5°	1743.9
10°	1710.1
12.5°	1665.1
15°	1616.3
17.5°	1556.4
20°	1500.1
22.5°	1432.6
25°	1368.8
27.5°	1305.1
30°	1233.8
32.5°	1166.3
35°	1098.8
37.5°	1031.3
40°	967.5
42.5°	900.0
45°	832.5
47.5°	765.0
50°	690.1
52.5°	618.8
55°	543.8
57.5°	472.5
60°	401.3
62.5°	330.0
65°	266.3
67.5°	206.2
70°	153.8
72.5°	105.0
75°	63.8
77.5°	30.0
80°	7.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)