

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: P857165

Luminaire Tested: **LX4C20D010 EX4C209035 4LBMDH**

Issue Date: 2/18/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P857165  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C20D010 EX4C209035 4LBMDH  
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

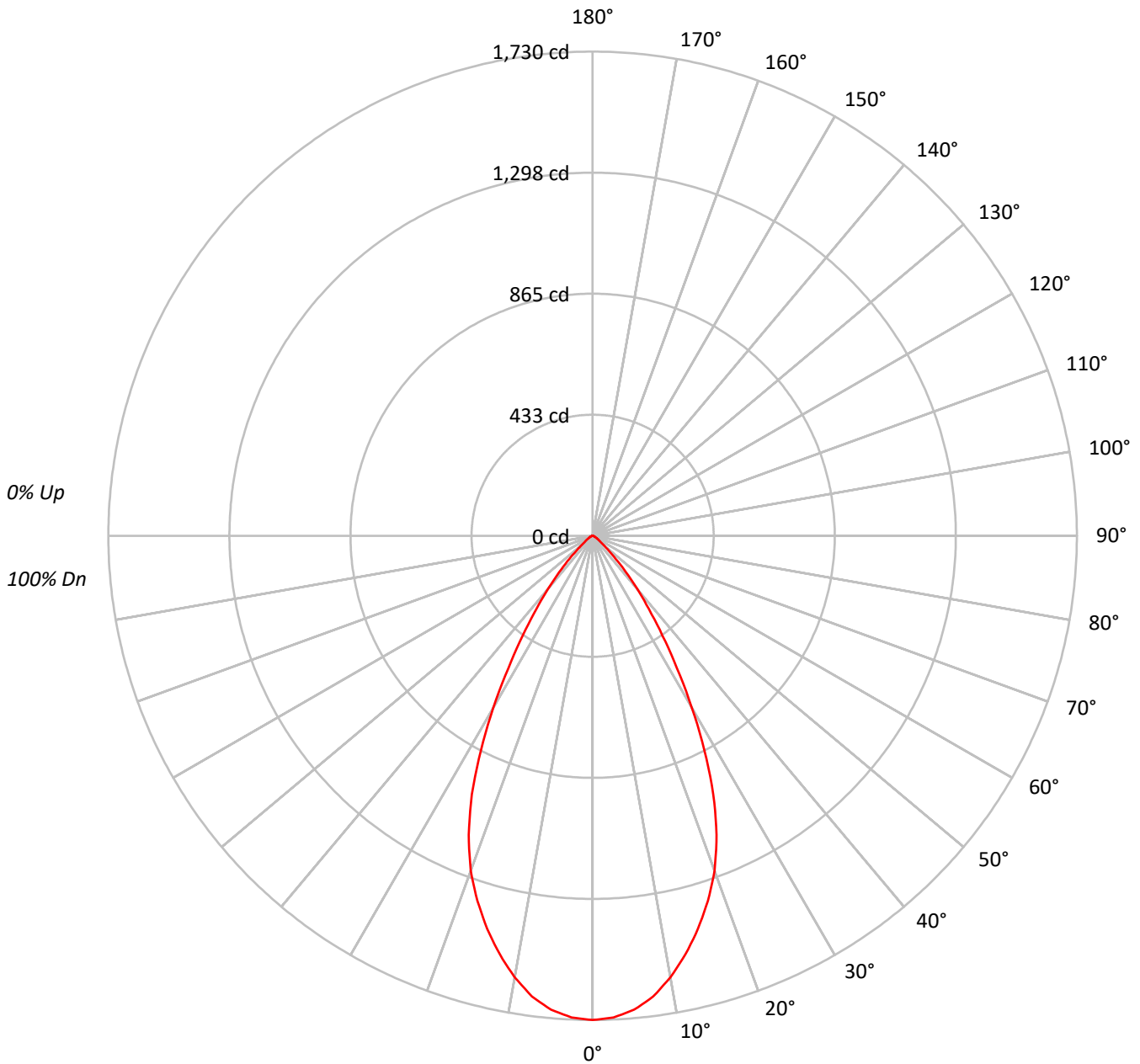
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1436.0 lumens  
Efficiency: N/A  
Efficacy: 65.9 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.8  
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: P857165

CATALOG NUMBER: LX4C20D010 EX4C209035 4LBMDH

### Luminous Intensity Polar Plot





TEST NUMBER: P857165

CATALOG NUMBER: LX4C20D010 EX4C209035 4LBMDH

**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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81			
4	97	90	84	80	95	88	83	79	86	82	78	84	80	77	82	79	77	75			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70			
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	63	60	68	63	59	67	62	59	66	62	59	57			
9	76	66	60	56	74	65	60	56	64	59	56	64	59	56	63	58	55	54			
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51			

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

	0°
0°	212537
5°	209661
10°	199822
15°	184905
20°	166456
25°	138292
30°	100521
35°	65165
40°	39436
45°	20328
50°	9193
55°	5547
60°	3710
65°	2674
70°	2012
75°	1329
80°	849
85°	564



TEST NUMBER: P857165

CATALOG NUMBER: LX4C20D010 EX4C209035 4LBMDH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.2	11.1
10°-20°	405.7	28.3
20°-30°	458.8	31.9
30°-40°	277.2	19.3
40°-50°	97.1	6.8
50°-60°	24.8	1.7
60°-70°	9.5	0.7
70°-80°	3.2	0.2
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°	1023.6	71.3
0°-40°	1300.8	90.6
0°-60°	1422.8	99.1
0°-90°	1436.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1436.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1730	
5°	1700	159
15°	1454	406
25°	1020	459
35°	434	277
45°	117	97
55°	26	25
65°	9	10
75°	3	3
85°	0	0
90°	0	



TEST NUMBER: P857165

CATALOG NUMBER: LX4C20D010 EX4C209035 4LBMDH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1730.0
2.5°	1722.8
5°	1700.1
7.5°	1659.9
10°	1601.8
12.5°	1531.8
15°	1453.8
17.5°	1368.3
20°	1273.2
22.5°	1156.6
25°	1020.2
27.5°	863.8
30°	708.6
32.5°	560.2
35°	434.5
37.5°	329.4
40°	245.9
42.5°	176.7
45°	117.0
47.5°	72.0
50°	48.1
52.5°	34.6
55°	25.9
57.5°	19.9
60°	15.1
62.5°	11.9
65°	9.2
67.5°	7.2
70°	5.6
72.5°	4.0
75°	2.8
77.5°	2.0
80°	1.2
82.5°	0.8
85°	0.4
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)