

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: P857293

Luminaire Tested: **LX4C20D010 EX4C209030 4LBMDH**

Issue Date: 2/18/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P857293  
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 EX4C209030 4LBMDH  
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LRMD45 TRIM WITH H FINISH, DIM TO WARM  
Light Source: -  
Ballast/Driver: -

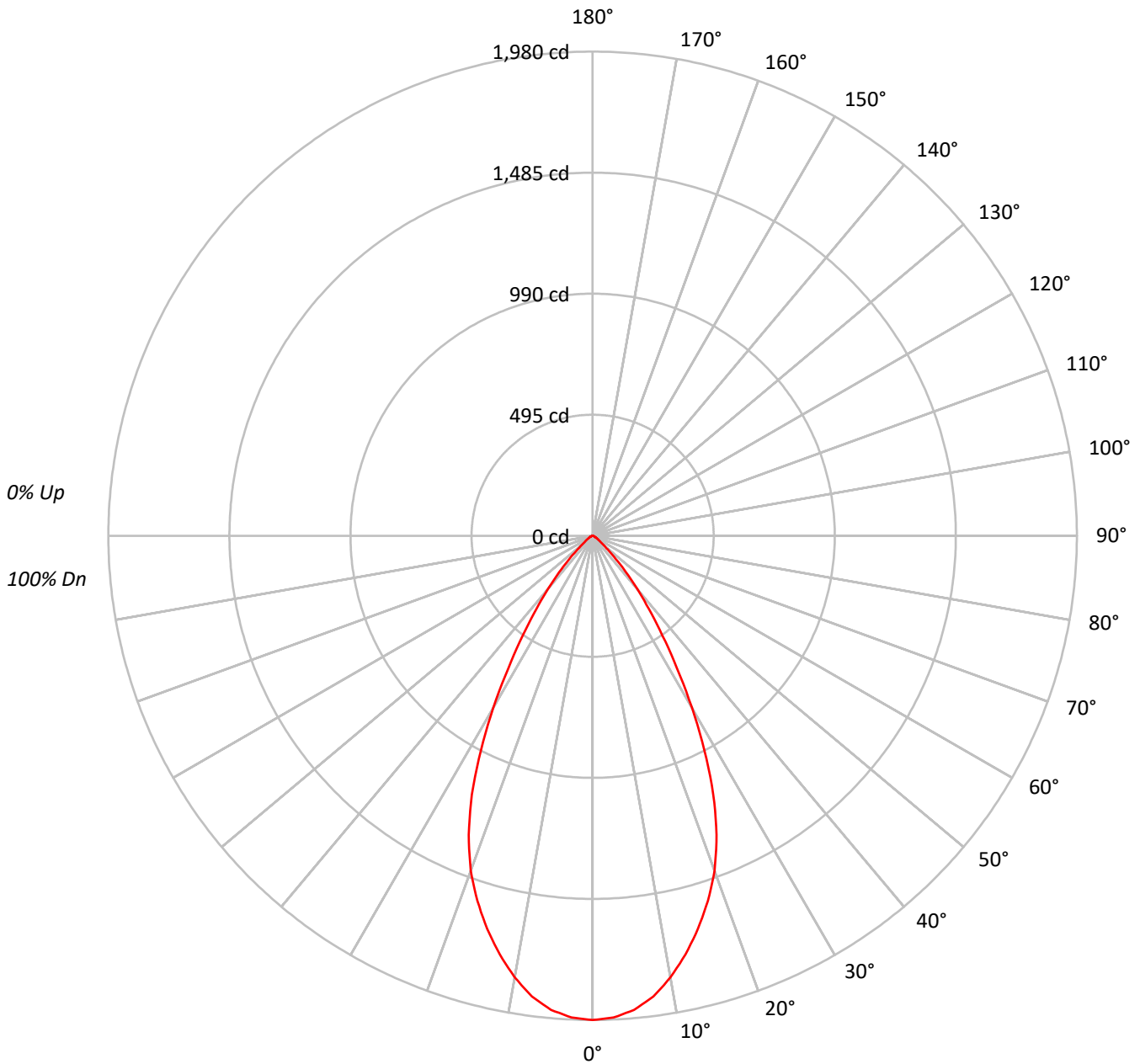
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1643.7 lumens  
Efficiency: N/A  
Efficacy: 50.4 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): 32.6  
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: P857293

CATALOG NUMBER: LX4C20D010 EX4C209030 4LBMDH

### Luminous Intensity Polar Plot





TEST NUMBER: P857293

CATALOG NUMBER: LX4C20D010 EX4C209030 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°	243274
5°	239986
10°	228739
15°	211652
20°	190537
25°	158300
30°	115062
35°	74583
40°	45129
45°	23264
50°	10531
55°	6340
60°	4251
65°	3023
70°	2299
75°	1471
80°	990
85°	705



TEST NUMBER: P857293

CATALOG NUMBER: LX4C20D010 EX4C209030 4LBMDH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.2	11.1
10°-20°	464.4	28.3
20°-30°	525.1	31.9
30°-40°	317.3	19.3
40°-50°	111.2	6.8
50°-60°	28.4	1.7
60°-70°	10.9	0.7
70°-80°	3.6	0.2
80°-90°	0.6	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°	1171.7	71.3
0°-40°	1489.0	90.6
0°-60°	1628.6	99.1
0°-90°	1643.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1643.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1980	
5°	1946	182
15°	1664	464
25°	1168	525
35°	497	317
45°	134	111
55°	30	28
65°	10	11
75°	3	4
85°	0	1
90°	0	



TEST NUMBER: P857293

CATALOG NUMBER: LX4C20D010 EX4C209030 4LBMDH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1980.2
2.5°	1972.0
5°	1946.0
7.5°	1900.1
10°	1833.6
12.5°	1753.5
15°	1664.1
17.5°	1566.2
20°	1457.4
22.5°	1323.9
25°	1167.8
27.5°	988.8
30°	811.1
32.5°	641.2
35°	497.3
37.5°	377.1
40°	281.4
42.5°	202.2
45°	133.9
47.5°	82.5
50°	55.1
52.5°	39.7
55°	29.6
57.5°	22.7
60°	17.3
62.5°	13.7
65°	10.4
67.5°	8.2
70°	6.4
72.5°	4.5
75°	3.1
77.5°	2.3
80°	1.4
82.5°	0.9
85°	0.5
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)