

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: P857143

Luminaire Tested: **LX4C20D010 EX4C209030 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P857143
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
Light Source: -
Ballast/Driver: -

Summary

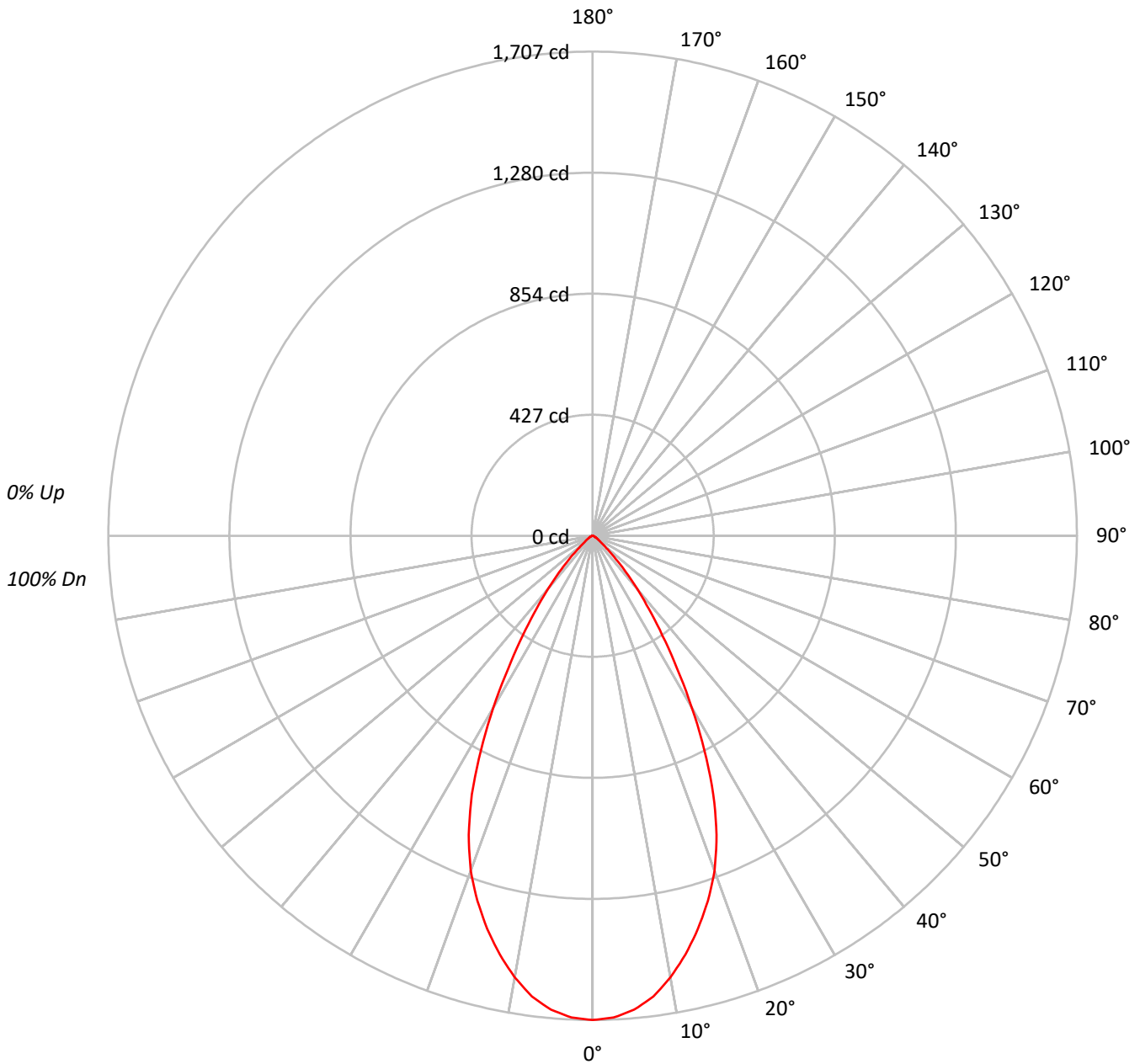
Lumens per Lamp: N/A
Luminaire Lumens: 1417.0 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
Input Voltage (V):
Input Current (A_{in}): 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				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	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°	209723
5°	206886
10°	197190
15°	182463
20°	164259
25°	136462
30°	99188
35°	64295
40°	38907
45°	20050
50°	9078
55°	5462
60°	3661
65°	2616
70°	1976
75°	1282
80°	849
85°	564



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.1	11.1
10°-20°	400.3	28.3
20°-30°	452.7	31.9
30°-40°	273.6	19.3
40°-50°	95.8	6.8
50°-60°	24.5	1.7
60°-70°	9.4	0.7
70°-80°	3.1	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°	1010.1	71.3
0°-40°	1283.6	90.6
0°-60°	1404.0	99.1
0°-90°	1417.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1417.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1707	
5°	1678	157
15°	1435	400
25°	1007	453
35°	429	274
45°	115	96
55°	26	25
65°	9	9
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1707.1
2.5°	1700.0
5°	1677.6
7.5°	1638.0
10°	1580.7
12.5°	1511.6
15°	1434.6
17.5°	1350.2
20°	1256.4
22.5°	1141.3
25°	1006.7
27.5°	852.4
30°	699.2
32.5°	552.8
35°	428.7
37.5°	325.1
40°	242.6
42.5°	174.3
45°	115.4
47.5°	71.1
50°	47.5
52.5°	34.2
55°	25.5
57.5°	19.6
60°	14.9
62.5°	11.8
65°	9.0
67.5°	7.1
70°	5.5
72.5°	3.9
75°	2.7
77.5°	2.0
80°	1.2
82.5°	0.8
85°	0.4
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)