

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: P683952

Luminaire Tested: **LX6C120D010 EX6C1209030 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P683952
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-21)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C120D010 EX6C1209030 6LBMDH
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

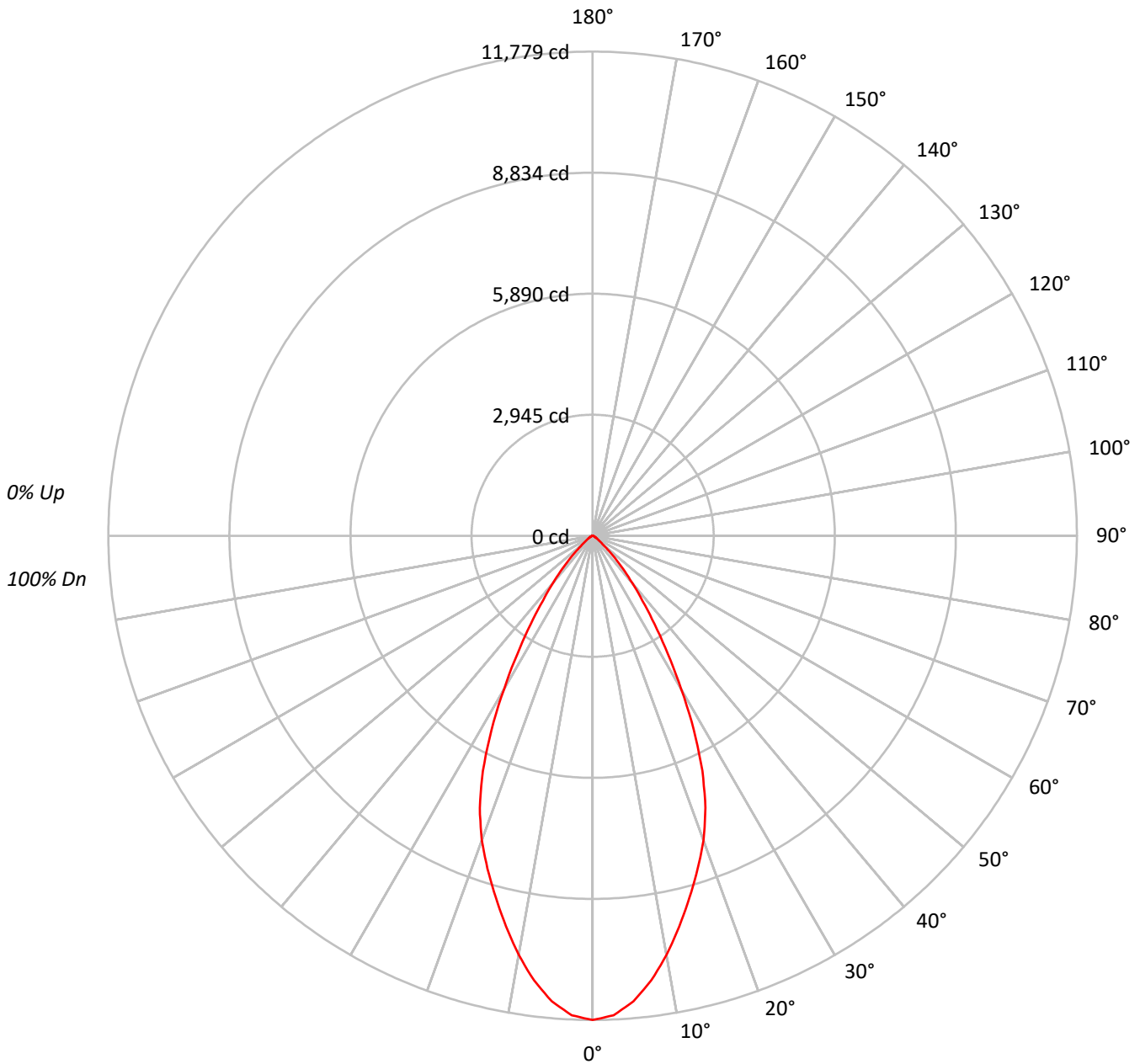
Lumens per Lamp: N/A
Luminaire Lumens: 8961.9 lumens
Efficiency: N/A
Efficacy: 63.0 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 142.3
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

TEST NUMBER: P683952

CATALOG NUMBER: LX6C120D010 EX6C1209030 6LBMDH

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	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	105	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	80	86	82	79	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62			
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54			
10	72	63	57	53	71	62	57	53	62	56	53	61	56	53	60	56	53	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	645743
5°	625758
10°	576214
15°	516825
20°	459852
25°	381875
30°	272827
35°	175372
40°	106865
45°	59409
50°	26319
55°	15244
60°	10032
65°	7121
70°	5033
75°	3876
80°	2462
85°	1635



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1052.6	11.7
10°-20°	2547.7	28.4
20°-30°	2833.3	31.6
30°-40°	1678.9	18.7
40°-50°	615.0	6.9
50°-60°	154.5	1.7
60°-70°	56.4	0.6
70°-80°	19.6	0.2
80°-90°	3.9	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°	6433.7	71.8
0°-40°	8112.5	90.5
0°-60°	8882.0	99.1
0°-90°	8961.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8961.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11779	
5°	11371	###
15°	9106	2548
25°	6313	2833
35°	2620	1679
45°	766	615
55°	160	155
65°	55	56
75°	18	20
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11779.3
2.5°	11674.7
5°	11371.3
7.5°	10911.0
10°	10351.3
12.5°	9734.1
15°	9106.4
17.5°	8497.1
20°	7882.5
22.5°	7168.5
25°	6313.3
27.5°	5330.0
30°	4310.0
32.5°	3397.3
35°	2620.5
37.5°	1990.2
40°	1493.3
42.5°	1088.0
45°	766.3
47.5°	486.4
50°	308.6
52.5°	217.1
55°	159.5
57.5°	120.3
60°	91.5
62.5°	70.6
65°	54.9
67.5°	41.8
70°	31.4
72.5°	23.5
75°	18.3
77.5°	13.1
80°	7.8
82.5°	5.2
85°	2.6
87.5°	2.6
90°	0.0



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— 0°-180°







(END OF REPORT)