

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: P683976

Luminaire Tested: **LX6C120D010 EX6C1209050 6LBMDH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P683976
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 EX6C1209050 6LBMDH
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

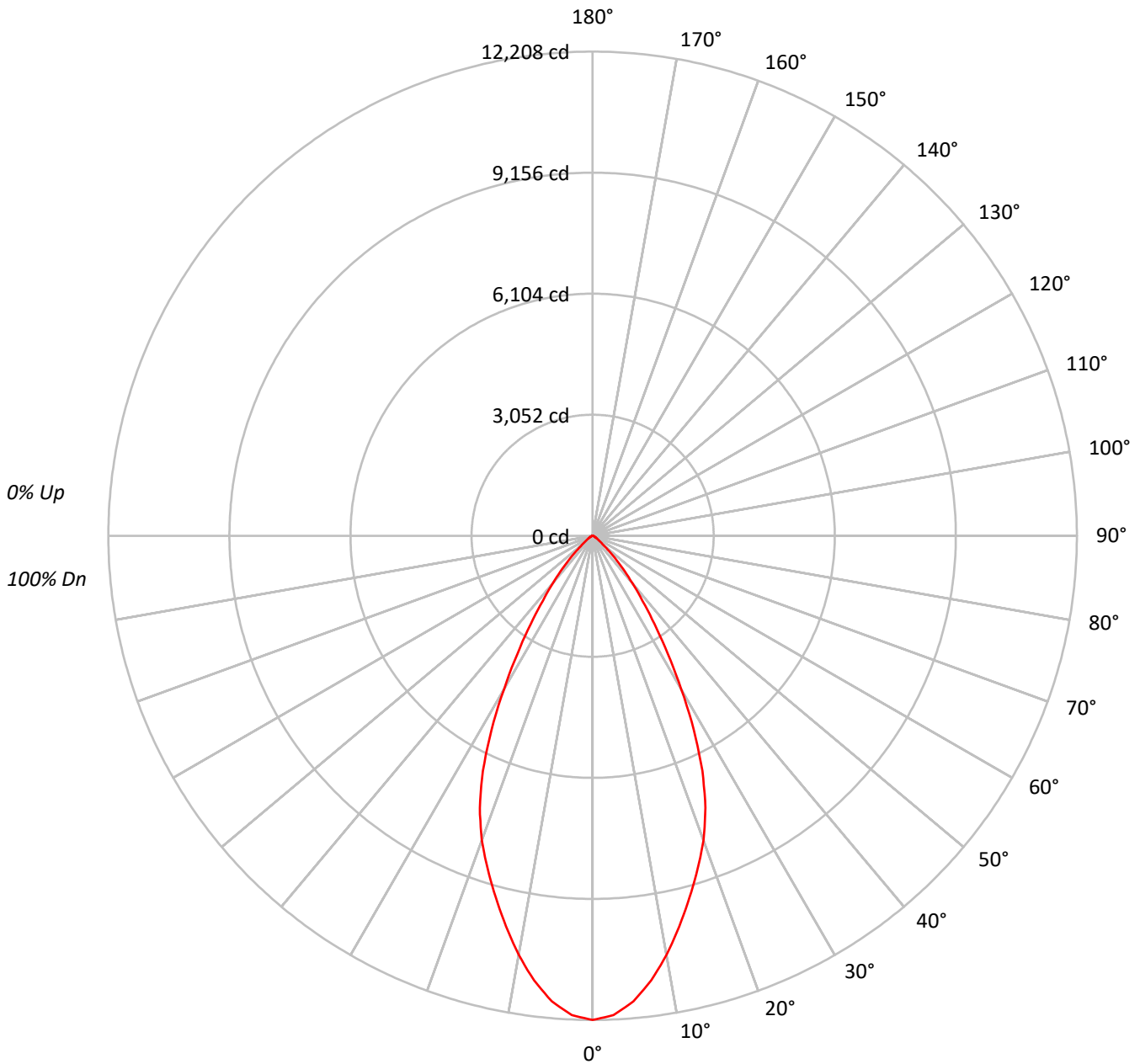
Lumens per Lamp: N/A
Luminaire Lumens: 9288.0 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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	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°	669228
5°	648518
10°	597178
15°	535627
20°	476578
25°	395769
30°	282752
35°	181750
40°	110758
45°	61572
50°	27274
55°	15799
60°	10405
65°	7381
70°	5209
75°	4024
80°	2557
85°	1698



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1090.9	11.7
10°-20°	2640.4	28.4
20°-30°	2936.4	31.6
30°-40°	1739.9	18.7
40°-50°	637.4	6.9
50°-60°	160.2	1.7
60°-70°	58.5	0.6
70°-80°	20.4	0.2
80°-90°	4.0	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°	6667.7	71.8
0°-40°	8407.6	90.5
0°-60°	9205.1	99.1
0°-90°	9288.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9288.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12208	
5°	11785	###
15°	9438	2640
25°	6543	2936
35°	2716	1740
45°	794	637
55°	165	160
65°	57	58
75°	19	20
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12207.7
2.5°	12099.3
5°	11784.9
7.5°	11307.9
10°	10727.9
12.5°	10088.2
15°	9437.7
17.5°	8806.2
20°	8169.2
22.5°	7429.3
25°	6543.0
27.5°	5523.8
30°	4466.8
32.5°	3520.8
35°	2715.8
37.5°	2062.6
40°	1547.7
42.5°	1127.5
45°	794.2
47.5°	504.1
50°	319.8
52.5°	225.0
55°	165.3
57.5°	124.7
60°	94.9
62.5°	73.2
65°	56.9
67.5°	43.4
70°	32.5
72.5°	24.4
75°	19.0
77.5°	13.6
80°	8.1
82.5°	5.4
85°	2.7
87.5°	2.7
90°	0.0



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— 0°-180°







(END OF REPORT)