

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: P683960

Luminaire Tested: **LX6C120D010 EX6C1209035 6LBMDH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P683960  
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 EX6C1209035 6LBMDH  
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

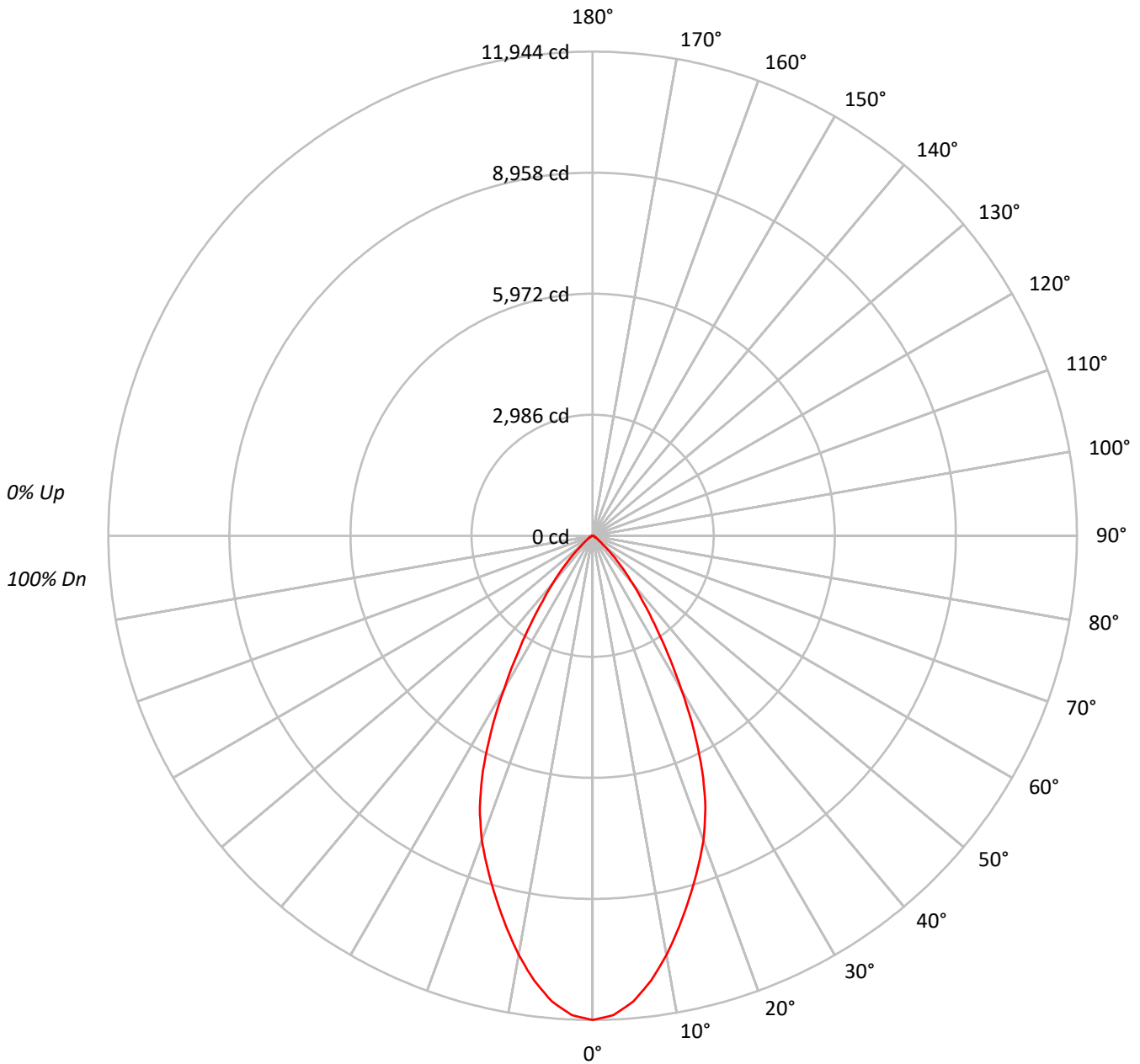
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9087.1 lumens  
Efficiency: N/A  
Efficacy: 63.9 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<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

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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°	654750
5°	634485
10°	584252
15°	524038
20°	466264
25°	387204
30°	276631
35°	177821
40°	108360
45°	60239
50°	26686
55°	15464
60°	10175
65°	7225
70°	5097
75°	3940
80°	2526
85°	1698



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1067.2	11.7
10°-20°	2583.3	28.4
20°-30°	2872.9	31.6
30°-40°	1702.3	18.7
40°-50°	623.6	6.9
50°-60°	156.7	1.7
60°-70°	57.2	0.6
70°-80°	19.9	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°	6523.4	71.8
0°-40°	8225.7	90.5
0°-60°	9006.0	99.1
0°-90°	9087.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9087.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11944	
5°	11530	###
15°	9234	2583
25°	6401	2873
35°	2657	1702
45°	777	624
55°	162	157
65°	56	57
75°	19	20
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	11943.6
2.5°	11837.5
5°	11529.9
7.5°	11063.2
10°	10495.7
12.5°	9869.9
15°	9233.5
17.5°	8615.6
20°	7992.4
22.5°	7268.5
25°	6401.4
27.5°	5404.3
30°	4370.1
32.5°	3444.6
35°	2657.1
37.5°	2018.0
40°	1514.2
42.5°	1103.1
45°	777.0
47.5°	493.2
50°	312.9
52.5°	220.1
55°	161.8
57.5°	122.0
60°	92.8
62.5°	71.6
65°	55.7
67.5°	42.4
70°	31.8
72.5°	23.9
75°	18.6
77.5°	13.3
80°	8.0
82.5°	5.3
85°	2.7
87.5°	2.7
90°	0.0



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— 0°-180°







(END OF REPORT)