

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: P684639

Luminaire Tested: **LX6C80D010 EX6C809027 6LBMDH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684639  
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: LX6C80D010 EX6C809027 6LBMDH  
Description: 6 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

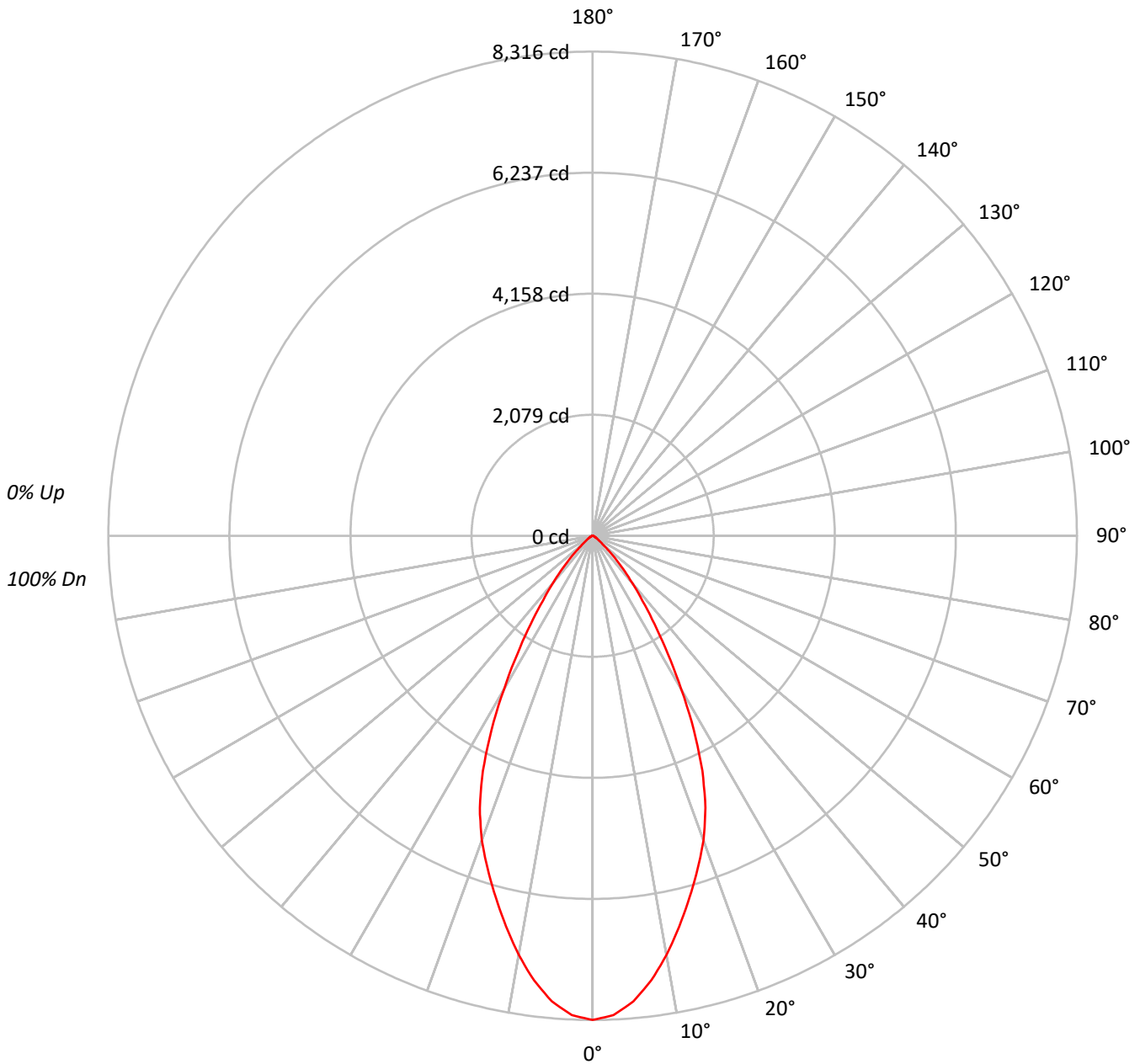
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6327.0 lumens  
Efficiency: N/A  
Efficacy: 70.7 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): 89.5  
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°	455879
5°	441772
10°	406795
15°	364872
20°	324647
25°	269598
30°	192612
35°	123808
40°	75449
45°	41942
50°	18584
55°	10762
60°	7083
65°	5033
70°	3558
75°	2732
80°	1736
85°	1132



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	743.1	11.7
10°-20°	1798.7	28.4
20°-30°	2000.3	31.6
30°-40°	1185.2	18.7
40°-50°	434.2	6.9
50°-60°	109.1	1.7
60°-70°	39.8	0.6
70°-80°	13.8	0.2
80°-90°	2.7	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°	4542.0	71.8
0°-40°	5727.3	90.5
0°-60°	6270.5	99.1
0°-90°	6327.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6327.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8316	
5°	8028	743
15°	6429	1799
25°	4457	2000
35°	1850	1185
45°	541	434
55°	113	109
65°	39	40
75°	13	14
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8315.9
2.5°	8242.1
5°	8027.9
7.5°	7702.9
10°	7307.8
12.5°	6872.1
15°	6429.0
17.5°	5998.8
20°	5564.9
22.5°	5060.8
25°	4457.1
27.5°	3762.8
30°	3042.8
32.5°	2398.4
35°	1850.0
37.5°	1405.1
40°	1054.3
42.5°	768.1
45°	541.0
47.5°	343.4
50°	217.9
52.5°	153.2
55°	112.6
57.5°	84.9
60°	64.6
62.5°	49.9
65°	38.8
67.5°	29.5
70°	22.2
72.5°	16.6
75°	12.9
77.5°	9.2
80°	5.5
82.5°	3.7
85°	1.8
87.5°	1.8
90°	0.0



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— 0°-180°







(END OF REPORT)