

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: P684330

Luminaire Tested: **LX6C05D010 EX6C059027 6LBSH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684330  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P204188)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C05D010 EX6C059027 6LBSH  
Description: 6 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 6LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

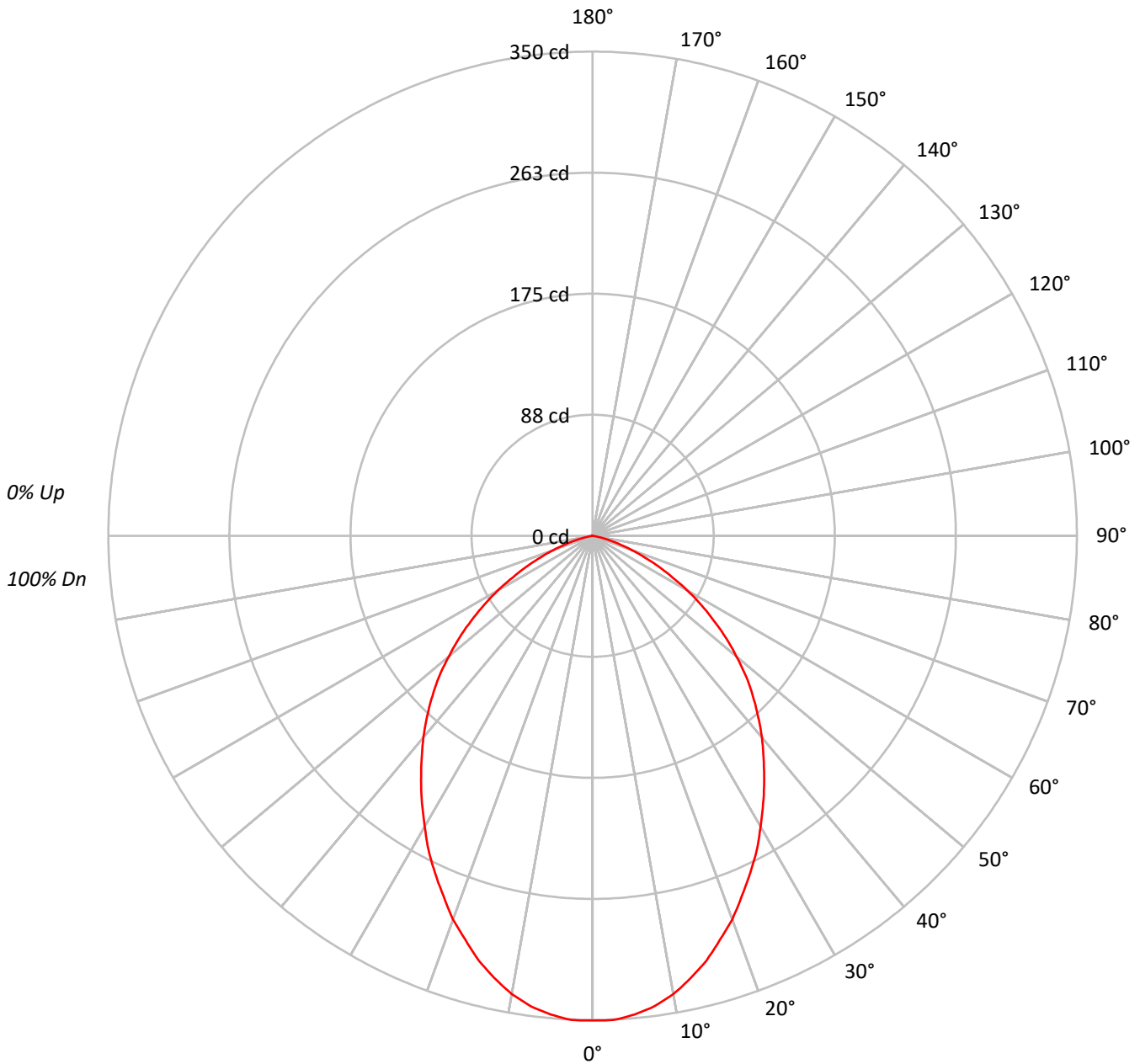
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 670.0 lumens  
Efficiency: N/A  
Efficacy: 93.1 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	19209
5°	19117
10°	18726
15°	18042
20°	17216
25°	16289
30°	15363
35°	14469
40°	13618
45°	12699
50°	11573
55°	10227
60°	8651
65°	6797
70°	4841
75°	2648
80°	474
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.8	4.9
10°-20°	89.2	13.3
20°-30°	123.9	18.5
30°-40°	135.2	20.2
40°-50°	126.1	18.8
50°-60°	95.7	14.3
60°-70°	52.4	7.8
70°-80°	14.4	2.2
80°-90°	0.2	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°	245.9	36.7
0°-40°	381.1	56.9
0°-60°	603.0	90.0
0°-90°	670.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	670.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	350	
5°	347	33
15°	318	89
25°	269	124
35°	216	135
45°	164	126
55°	107	96
65°	52	52
75°	12	14
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	350.4
2.5°	350.4
5°	347.4
7.5°	343.0
10°	336.4
12.5°	327.5
15°	317.9
17.5°	306.1
20°	295.1
22.5°	281.8
25°	269.3
27.5°	256.7
30°	242.7
32.5°	229.4
35°	216.2
37.5°	202.9
40°	190.3
42.5°	177.0
45°	163.8
47.5°	150.5
50°	135.7
52.5°	121.7
55°	107.0
57.5°	93.0
60°	78.9
62.5°	64.9
65°	52.4
67.5°	40.6
70°	30.2
72.5°	20.7
75°	12.5
77.5°	5.9
80°	1.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)