

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: P684624

Luminaire Tested: **LX6C08D010 EX6C089040 6LBSH**

Issue Date: 2/15/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P684624  
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: LX6C08D010 EX6C089040 6LBSH  
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 6LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

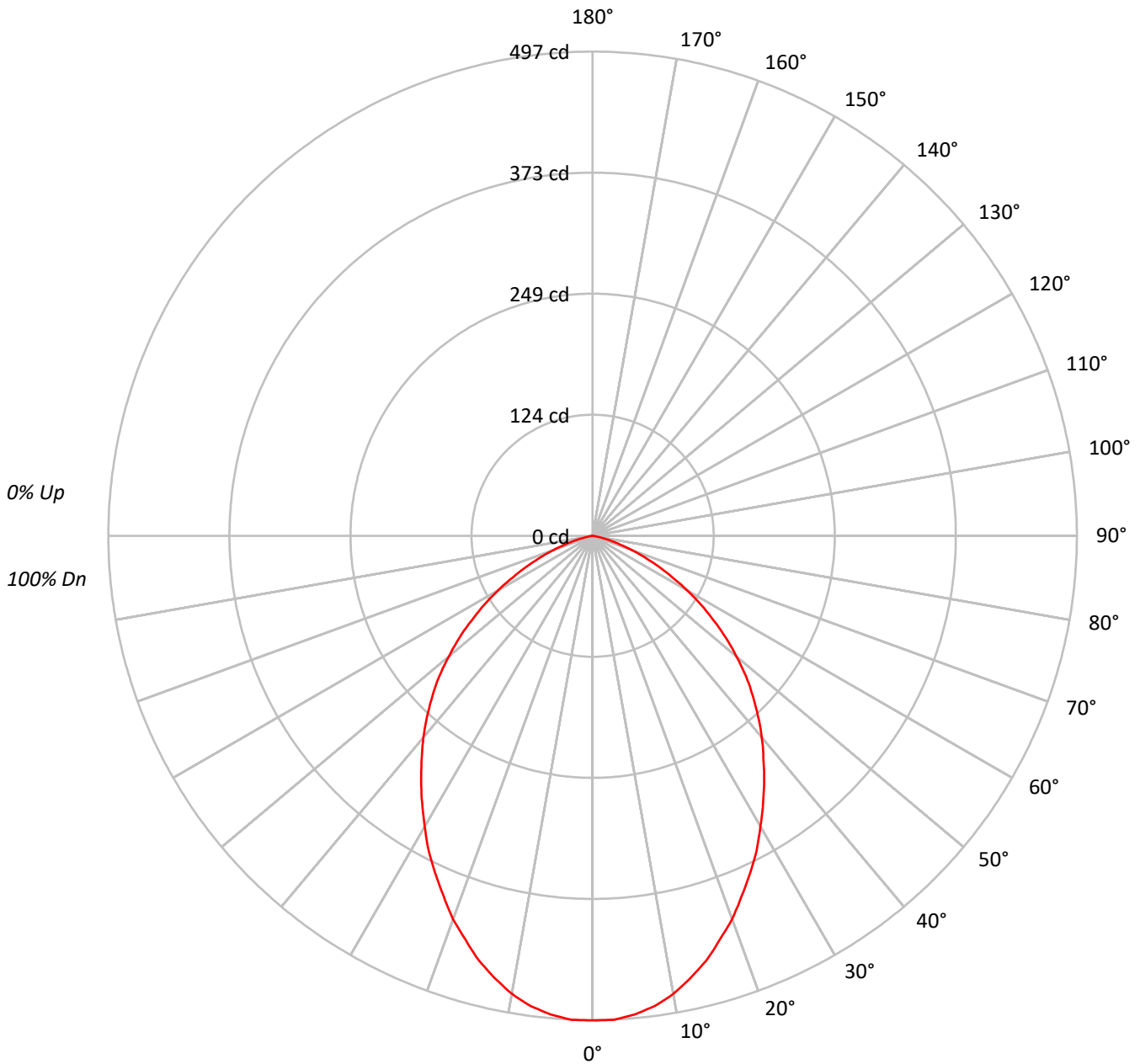
Lumens per Lamp: N/A  
Luminaire Lumens: 951.0 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.9  
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									
RC	80									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°	27268
5°	27141
10°	26580
15°	25613
20°	24432
25°	23118
30°	21807
35°	20532
40°	19336
45°	18025
50°	16434
55°	14508
60°	12280
65°	9651
70°	6876
75°	3770
80°	663
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.6	4.9
10°-20°	126.6	13.3
20°-30°	175.9	18.5
30°-40°	191.9	20.2
40°-50°	179.0	18.8
50°-60°	135.9	14.3
60°-70°	74.4	7.8
70°-80°	20.5	2.2
80°-90°	0.3	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°	349.1	36.7
0°-40°	541.0	56.9
0°-60°	855.9	90.0
0°-90°	951.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	951.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	497	
5°	493	47
15°	451	127
25°	382	176
35°	307	192
45°	232	179
55°	152	136
65°	74	74
75°	18	20
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	497.4
2.5°	497.4
5°	493.2
7.5°	486.9
10°	477.5
12.5°	464.9
15°	451.3
17.5°	434.5
20°	418.8
22.5°	400.0
25°	382.2
27.5°	364.4
30°	344.5
32.5°	325.6
35°	306.8
37.5°	288.0
40°	270.2
42.5°	251.3
45°	232.5
47.5°	213.6
50°	192.7
52.5°	172.8
55°	151.8
57.5°	131.9
60°	112.0
62.5°	92.2
65°	74.4
67.5°	57.6
70°	42.9
72.5°	29.3
75°	17.8
77.5°	8.4
80°	2.1
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)