

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: P684642

Luminaire Tested: **LX6C80D010 EX6C809027 6LBSH**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P684642  
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: LX6C80D010 EX6C809027 6LBSH  
Description: 6 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

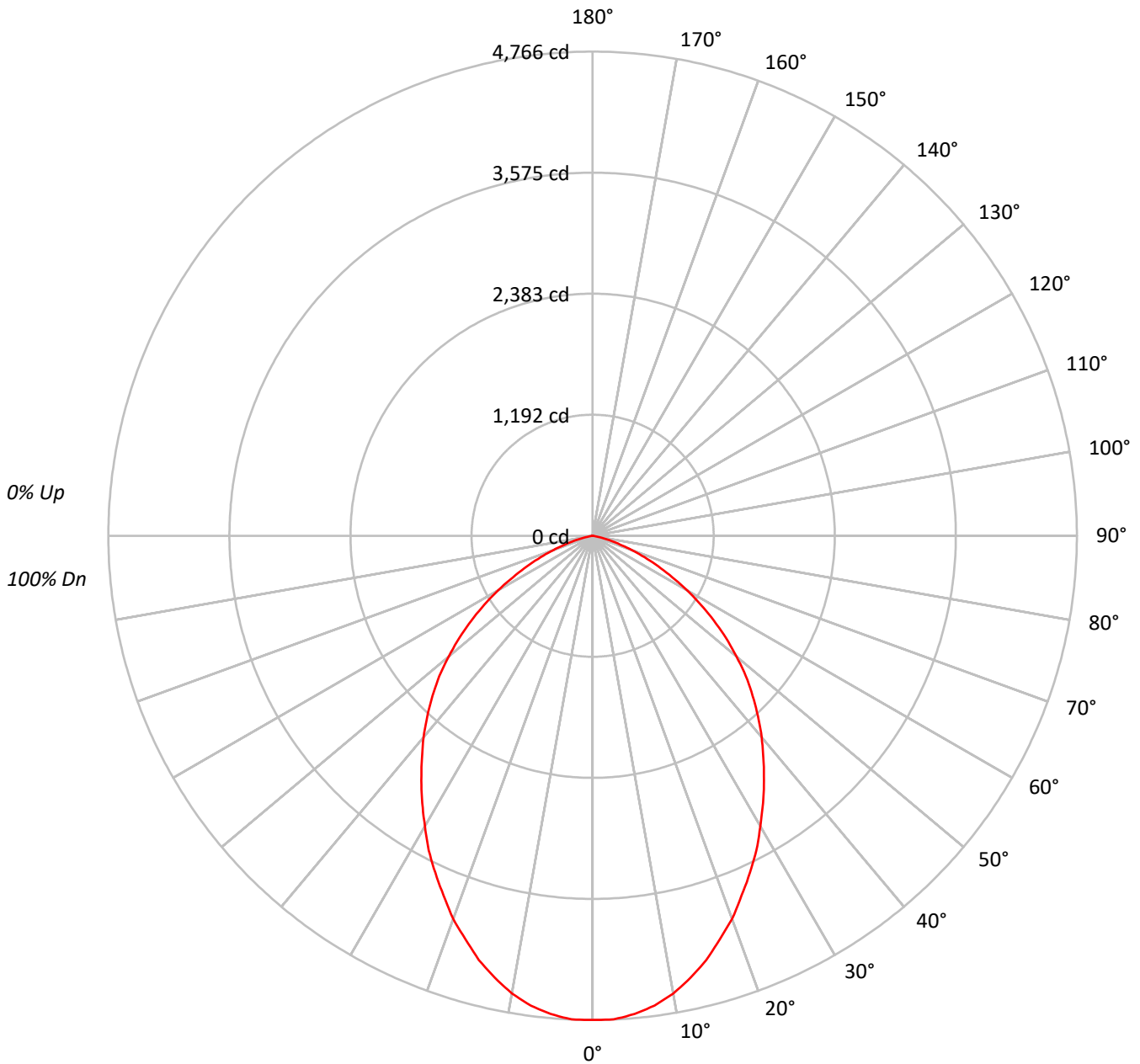
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9112.0 lumens  
Efficiency: N/A  
Efficacy: 101.8 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): 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									
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°	261251
5°	260031
10°	254666
15°	245404
20°	234118
25°	221499
30°	208937
35°	196734
40°	185240
45°	172669
50°	157445
55°	139044
60°	117688
65°	92409
70°	65941
75°	36135
80°	6346
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	446.4	4.9
10°-20°	1213.2	13.3
20°-30°	1684.9	18.5
30°-40°	1838.7	20.2
40°-50°	1715.2	18.8
50°-60°	1301.9	14.3
60°-70°	712.9	7.8
70°-80°	196.2	2.2
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°	3344.5	36.7
0°-40°	5183.2	56.9
0°-60°	8200.2	90.0
0°-90°	9112.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9112.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4766	
5°	4725	446
15°	4324	1213
25°	3662	1685
35°	2940	1839
45°	2227	1715
55°	1455	1302
65°	712	713
75°	171	196
85°	0	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4765.6
2.5°	4765.6
5°	4725.3
7.5°	4665.1
10°	4574.9
12.5°	4454.5
15°	4324.0
17.5°	4163.5
20°	4013.1
22.5°	3832.5
25°	3661.9
27.5°	3491.4
30°	3300.7
32.5°	3120.1
35°	2939.7
37.5°	2759.0
40°	2588.5
42.5°	2407.9
45°	2227.2
47.5°	2046.6
50°	1846.1
52.5°	1655.4
55°	1454.8
57.5°	1264.1
60°	1073.4
62.5°	883.0
65°	712.4
67.5°	551.7
70°	411.4
72.5°	280.9
75°	170.6
77.5°	80.3
80°	20.1
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)