

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: P685109

Luminaire Tested: **LX6C55D010 EX6559050 6LBSLI**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P685109  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205419)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C55D010 EX6559050 6LBSLI  
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBS TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

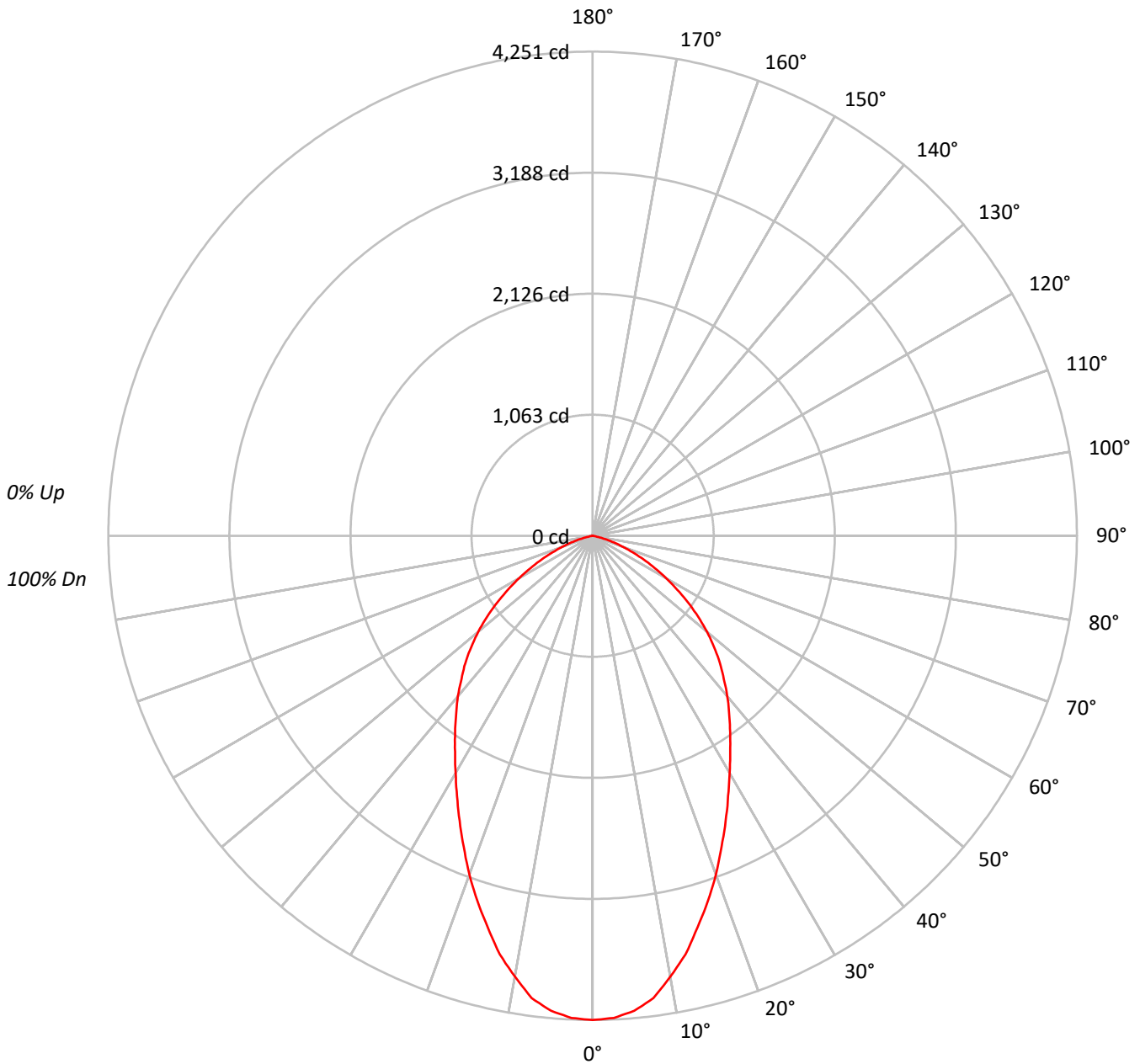
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6737.0 lumens  
Efficiency: N/A  
Efficacy: 105.4 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 63.9  
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	109	105	102	99	101	99	96	97	95	93	94	92	91	89																			
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77																			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68																			
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60																			
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53																			
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47																			
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43																			
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39																			
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36																			
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33																			

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

	0°
0°	233062
5°	230403
10°	218722
15°	201880
20°	184554
25°	167108
30°	152226
35°	140826
40°	131632
45°	122625
50°	111698
55°	97813
60°	81605
65°	64054
70°	44735
75°	24252
80°	4546
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	391.8	5.8
10°-20°	997.3	14.8
20°-30°	1271.8	18.9
30°-40°	1318.9	19.6
40°-50°	1215.3	18.0
50°-60°	914.2	13.6
60°-70°	493.4	7.3
70°-80°	132.4	2.0
80°-90°	2.0	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°	2660.9	39.5
0°-40°	3979.8	59.1
0°-60°	6109.3	90.7
0°-90°	6737.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6737.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4251	
5°	4187	392
15°	3557	997
25°	2763	1272
35°	2104	1319
45°	1582	1215
55°	1023	914
65°	494	493
75°	114	132
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4251.4
2.5°	4237.1
5°	4186.9
7.5°	4093.9
10°	3929.2
12.5°	3764.7
15°	3557.1
17.5°	3364.0
20°	3163.5
22.5°	2956.0
25°	2762.7
27.5°	2576.7
30°	2404.8
32.5°	2247.3
35°	2104.3
37.5°	1968.2
40°	1839.4
42.5°	1703.5
45°	1581.7
47.5°	1445.8
50°	1309.7
52.5°	1166.7
55°	1023.4
57.5°	880.4
60°	744.3
62.5°	615.5
65°	493.8
67.5°	379.4
70°	279.1
72.5°	193.3
75°	114.5
77.5°	50.0
80°	14.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)