

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: P856666

Luminaire Tested: **LD6C70D010 EU6709040 6LBWLI**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P856666  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205209)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C70D010 EU6709040 6LBWLI  
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

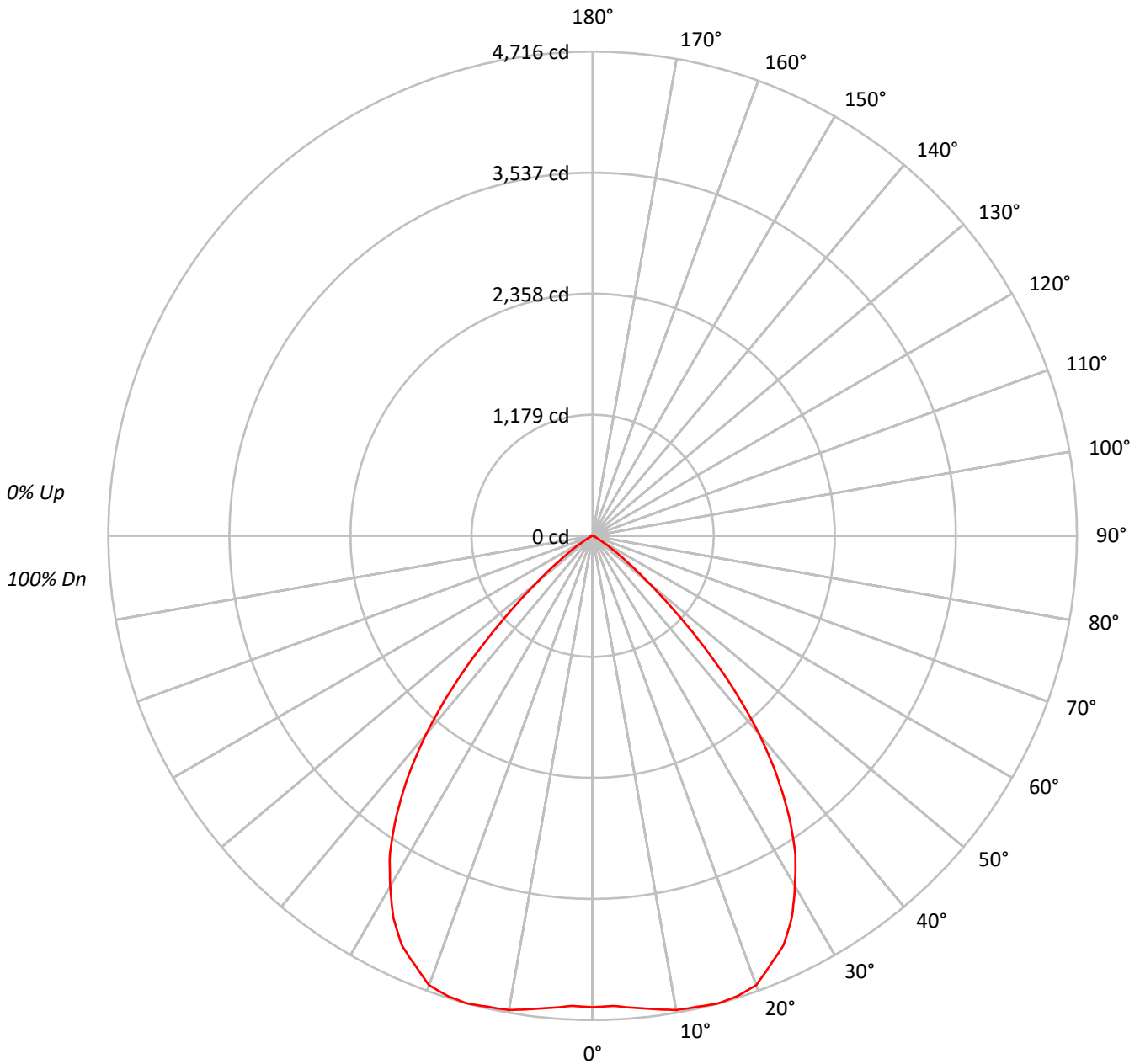
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7349.0 lumens  
Efficiency: N/A  
Efficacy: 94.2 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 78  
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	100	100	100
1	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92	92	92	92
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83	83	83	83
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76	76	76	76
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69	69	69	69
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63	63	63	63
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57	57	57	57
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52	52	52	52
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48	48	48	48
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44	44	44	44
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41	41	41	41

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

	0°
0°	251685
5°	254017
10°	261123
15°	267658
20°	271717
25°	266108
30°	249481
35°	223055
40°	180667
45°	119516
50°	60407
55°	25490
60°	8212
65°	3230
70°	2693
75°	1779
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	442.9	6.0
10°-20°	1331.2	18.1
20°-30°	2006.7	27.3
30°-40°	2054.0	27.9
40°-50°	1196.6	16.3
50°-60°	275.0	3.7
60°-70°	33.7	0.5
70°-80°	8.8	0.1
80°-90°	0.0	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°	3780.9	51.4
0°-40°	5834.9	79.4
0°-60°	7306.4	99.4
0°-90°	7349.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7349.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4591	
5°	4616	443
15°	4716	1331
25°	4399	2007
35°	3333	2054
45°	1542	1197
55°	267	275
65°	25	34
75°	8	9
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4591.1
2.5°	4582.7
5°	4616.0
7.5°	4649.2
10°	4690.9
12.5°	4699.3
15°	4716.1
17.5°	4699.3
20°	4657.6
22.5°	4524.3
25°	4399.4
27.5°	4199.5
30°	3941.2
32.5°	3674.6
35°	3333.0
37.5°	2949.5
40°	2524.6
42.5°	2049.7
45°	1541.6
47.5°	1074.7
50°	708.3
52.5°	450.0
55°	266.7
57.5°	141.7
60°	74.9
62.5°	41.6
65°	24.9
67.5°	24.9
70°	16.8
72.5°	8.4
75°	8.4
77.5°	8.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)