

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: P683909

Luminaire Tested: **LX6C100D010 EX6C1009040 6LBSH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P683909  
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: LX6C100D010 EX6C1009040 6LBSH  
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

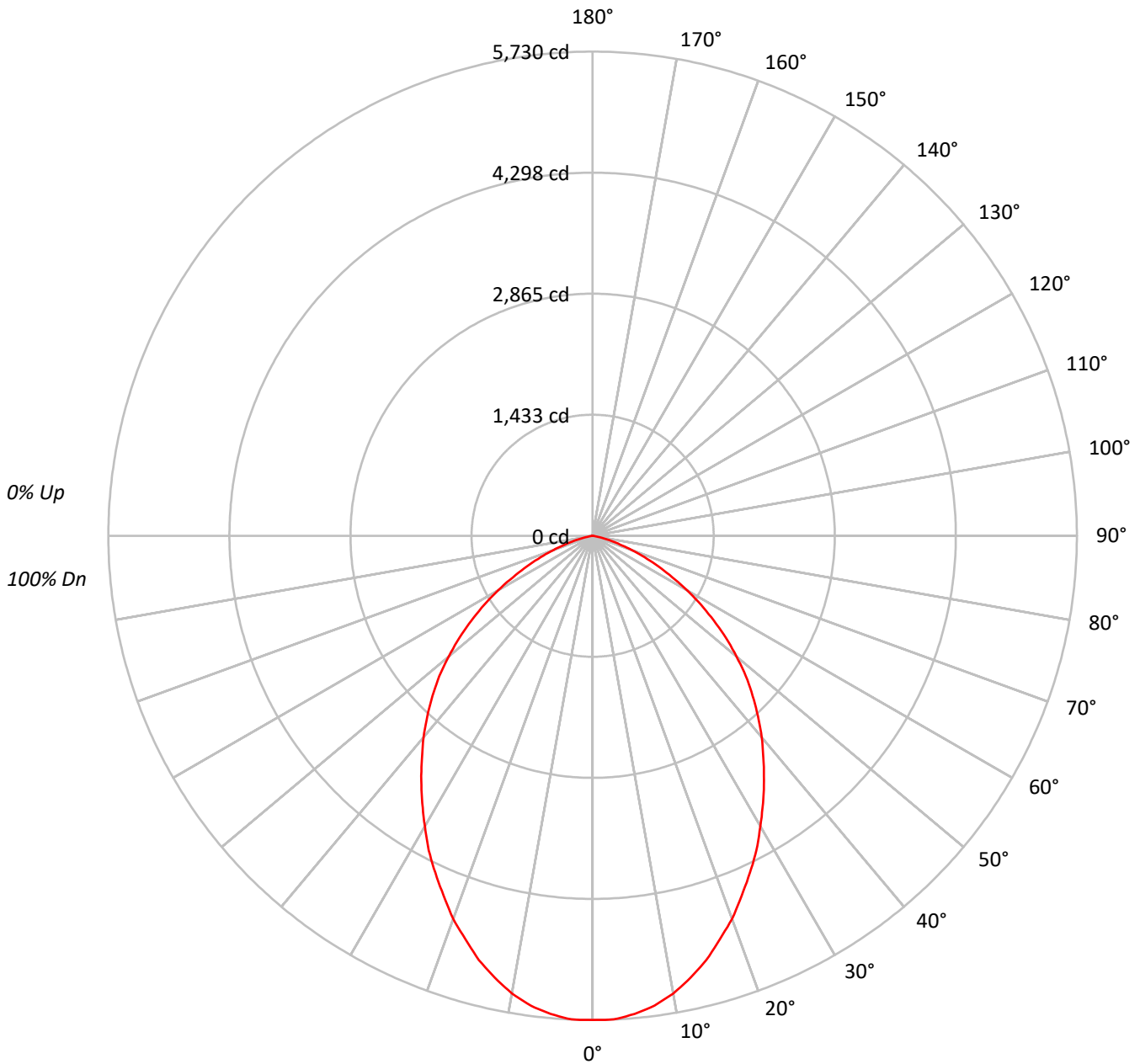
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10956.0 lumens  
Efficiency: N/A  
Efficacy: 95.8 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): 114.4  
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°	314120
5°	312656
10°	306201
15°	295064
20°	281494
25°	266326
30°	251216
35°	236546
40°	222724
45°	207618
50°	189307
55°	167182
60°	141513
65°	111114
70°	79276
75°	43442
80°	7640
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	536.7	4.9
10°-20°	1458.8	13.3
20°-30°	2025.9	18.5
30°-40°	2210.8	20.2
40°-50°	2062.3	18.8
50°-60°	1565.3	14.3
60°-70°	857.1	7.8
70°-80°	235.9	2.2
80°-90°	3.3	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°	4021.3	36.7
0°-40°	6232.1	56.9
0°-60°	9859.7	90.0
0°-90°	10956.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10956.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5730	
5°	5682	537
15°	5199	1459
25°	4403	2026
35°	3535	2211
45°	2678	2062
55°	1749	1565
65°	857	857
75°	205	236
85°	0	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5730.0
2.5°	5730.0
5°	5681.6
7.5°	5609.2
10°	5500.7
12.5°	5355.9
15°	5199.0
17.5°	5006.1
20°	4825.2
22.5°	4608.1
25°	4403.0
27.5°	4197.9
30°	3968.6
32.5°	3751.5
35°	3534.6
37.5°	3317.4
40°	3112.3
42.5°	2895.1
45°	2678.0
47.5°	2460.8
50°	2219.7
52.5°	1990.4
55°	1749.2
57.5°	1520.0
60°	1290.7
62.5°	1061.7
65°	856.6
67.5°	663.4
70°	494.6
72.5°	337.7
75°	205.1
77.5°	96.6
80°	24.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)