

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: P684472

Luminaire Tested: **LX6C60D010 EX6C609050 6LBMDH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684472  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C60D010 EX6C609050 6LBMDH  
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

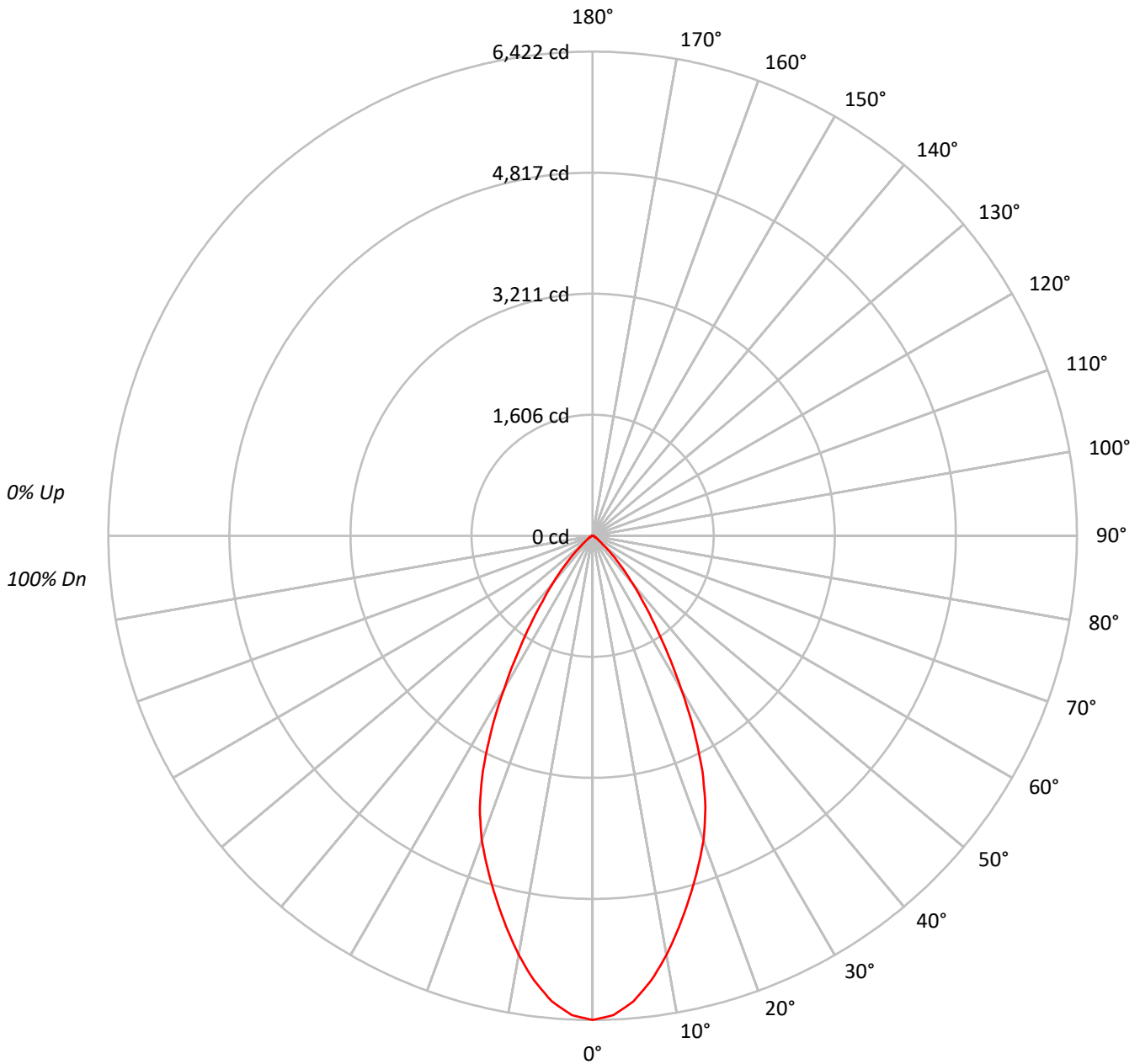
Lumens per Lamp: N/A  
Luminaire Lumens: 4886.0 lumens  
Efficiency: N/A  
Efficacy: 67.9 lumens/watt  
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 72  
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	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93																			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87																			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81																			
4	97	90	84	80	95	89	83	80	86	82	79	84	81	78	83	79	77	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62																			
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58																			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54																			
10	72	63	57	53	71	62	57	53	62	56	53	61	56	53	60	56	53	51																			

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

	0°
0°	352050
5°	341156
10°	314145
15°	281767
20°	250709
25°	208198
30°	148744
35°	95613
40°	58259
45°	32391
50°	14345
55°	8315
60°	5471
65°	3878
70°	2741
75°	2118
80°	1357
85°	881



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	573.8	11.7
10°-20°	1389.0	28.4
20°-30°	1544.7	31.6
30°-40°	915.3	18.7
40°-50°	335.3	6.9
50°-60°	84.2	1.7
60°-70°	30.7	0.6
70°-80°	10.7	0.2
80°-90°	2.1	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°	3507.6	71.8
0°-40°	4422.9	90.5
0°-60°	4842.4	99.1
0°-90°	4886.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4886.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6422	
5°	6200	574
15°	4965	1389
25°	3442	1545
35°	1429	915
45°	418	335
55°	87	84
65°	30	31
75°	10	11
85°	1	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6421.9
2.5°	6364.9
5°	6199.5
7.5°	5948.6
10°	5643.4
12.5°	5306.9
15°	4964.7
17.5°	4632.5
20°	4297.5
22.5°	3908.2
25°	3442.0
27.5°	2905.8
30°	2349.8
32.5°	1852.2
35°	1428.7
37.5°	1085.1
40°	814.1
42.5°	593.1
45°	417.8
47.5°	265.2
50°	168.2
52.5°	118.3
55°	87.0
57.5°	65.6
60°	49.9
62.5°	38.5
65°	29.9
67.5°	22.8
70°	17.1
72.5°	12.8
75°	10.0
77.5°	7.1
80°	4.3
82.5°	2.9
85°	1.4
87.5°	1.4
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)