

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: P684706

Luminaire Tested: **LX6C90D010 EX6C909050 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684706
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: LX6C90D010 EX6C909050 6LBMDH
Description: 6 INCH 9000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

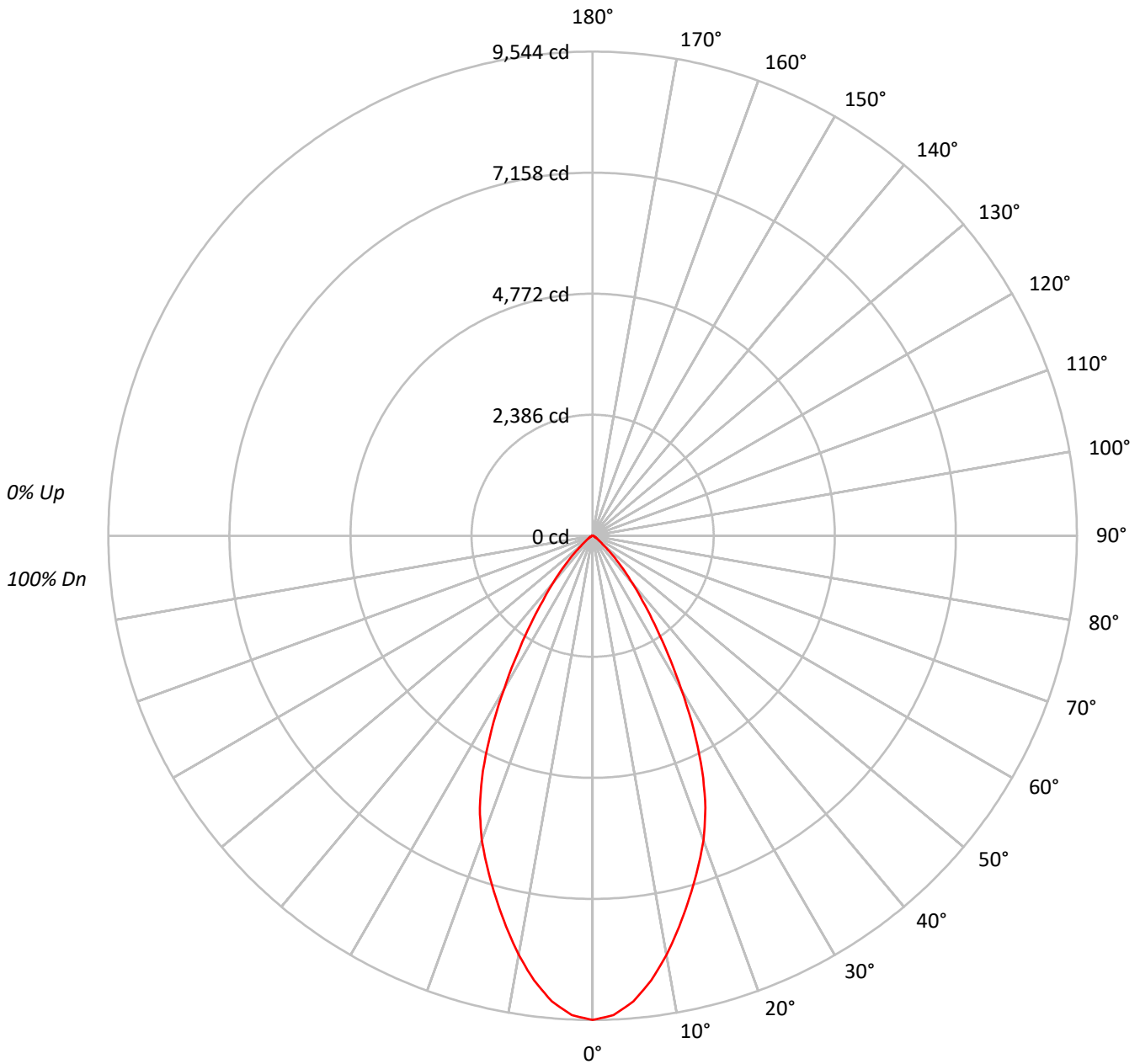
Lumens per Lamp: N/A
Luminaire Lumens: 7261.0 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 97.1
Input Voltage (V):
Input Current (A_{in}): 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			
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°	523176
5°	506987
10°	466847
15°	418731
20°	372572
25°	309393
30°	221047
35°	142084
40°	86584
45°	48129
50°	21321
55°	12358
60°	8135
65°	5772
70°	4071
75°	3135
80°	2020
85°	1321



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	852.8	11.7
10°-20°	2064.2	28.4
20°-30°	2295.6	31.6
30°-40°	1360.2	18.7
40°-50°	498.3	6.9
50°-60°	125.2	1.7
60°-70°	45.7	0.6
70°-80°	15.9	0.2
80°-90°	3.2	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°	5212.5	71.8
0°-40°	6572.7	90.5
0°-60°	7196.2	99.1
0°-90°	7261.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7261.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9544	
5°	9213	853
15°	7378	2064
25°	5115	2296
35°	2123	1360
45°	621	498
55°	129	125
65°	44	46
75°	15	16
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9543.5
2.5°	9458.8
5°	9213.0
7.5°	8840.1
10°	8386.6
12.5°	7886.6
15°	7378.0
17.5°	6884.3
20°	6386.4
22.5°	5807.9
25°	5115.0
27.5°	4318.3
30°	3492.0
32.5°	2752.5
35°	2123.1
37.5°	1612.5
40°	1209.9
42.5°	881.5
45°	620.8
47.5°	394.1
50°	250.0
52.5°	175.9
55°	129.3
57.5°	97.5
60°	74.2
62.5°	57.2
65°	44.5
67.5°	33.9
70°	25.4
72.5°	19.1
75°	14.8
77.5°	10.6
80°	6.4
82.5°	4.2
85°	2.1
87.5°	2.1
90°	0.0



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— 0°-180°







(END OF REPORT)