

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: P683988

Luminaire Tested: **LX6C130D010 EX6C1309027 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P683988
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: LX6C130D010 EX6C1309027 6LBMDH
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

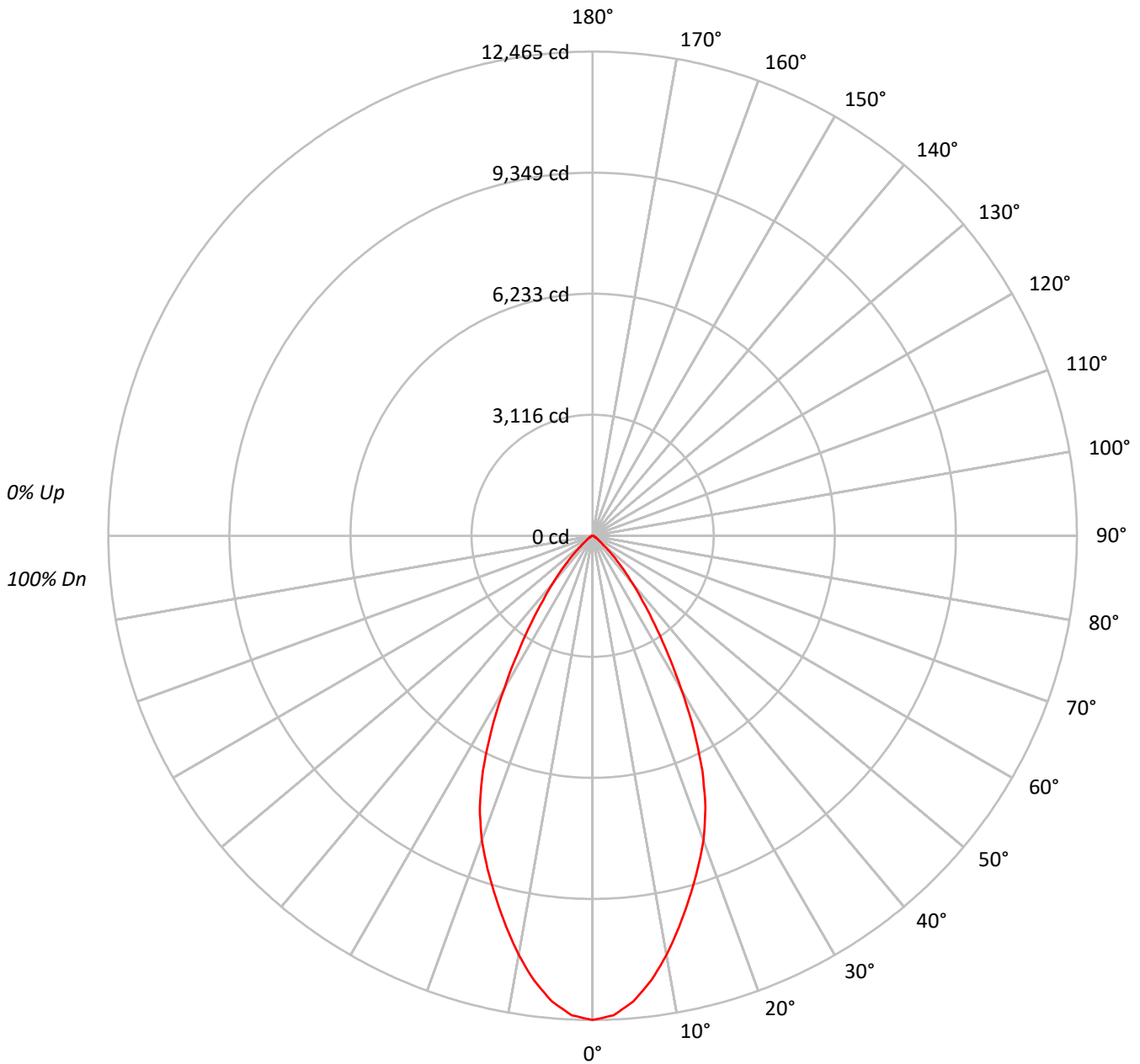
Lumens per Lamp: N/A
Luminaire Lumens: 9484.0 lumens
Efficiency: N/A
Efficacy: 65.7 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 144.3
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°	683355
5°	662204
10°	609775
15°	546927
20°	486636
25°	404116
30°	288715
35°	185591
40°	113090
45°	62867
50°	27854
55°	16133
60°	10624
65°	7536
70°	5321
75°	4109
80°	2620
85°	1761



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1113.9	11.7
10°-20°	2696.1	28.4
20°-30°	2998.4	31.6
30°-40°	1776.6	18.7
40°-50°	650.8	6.9
50°-60°	163.5	1.7
60°-70°	59.7	0.6
70°-80°	20.8	0.2
80°-90°	4.2	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°	6808.4	71.8
0°-40°	8585.0	90.5
0°-60°	9399.4	99.1
0°-90°	9484.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9484.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12465	
5°	12034	###
15°	9637	2696
25°	6681	2998
35°	2773	1777
45°	811	651
55°	169	164
65°	58	60
75°	19	21
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12465.4
2.5°	12354.7
5°	12033.6
7.5°	11546.5
10°	10954.2
12.5°	10301.1
15°	9636.8
17.5°	8992.0
20°	8341.6
22.5°	7586.0
25°	6681.0
27.5°	5640.4
30°	4561.0
32.5°	3595.1
35°	2773.2
37.5°	2106.2
40°	1580.3
42.5°	1151.3
45°	810.9
47.5°	514.8
50°	326.6
52.5°	229.7
55°	168.8
57.5°	127.3
60°	96.9
62.5°	74.7
65°	58.1
67.5°	44.3
70°	33.2
72.5°	24.9
75°	19.4
77.5°	13.8
80°	8.3
82.5°	5.5
85°	2.8
87.5°	2.8
90°	0.0



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— 0°-180°







(END OF REPORT)