

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: P684058

Luminaire Tested: **LX6C15D010 EX6C159035 6LBMDH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684058
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: LX6C15D010 EX6C159035 6LBMDH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

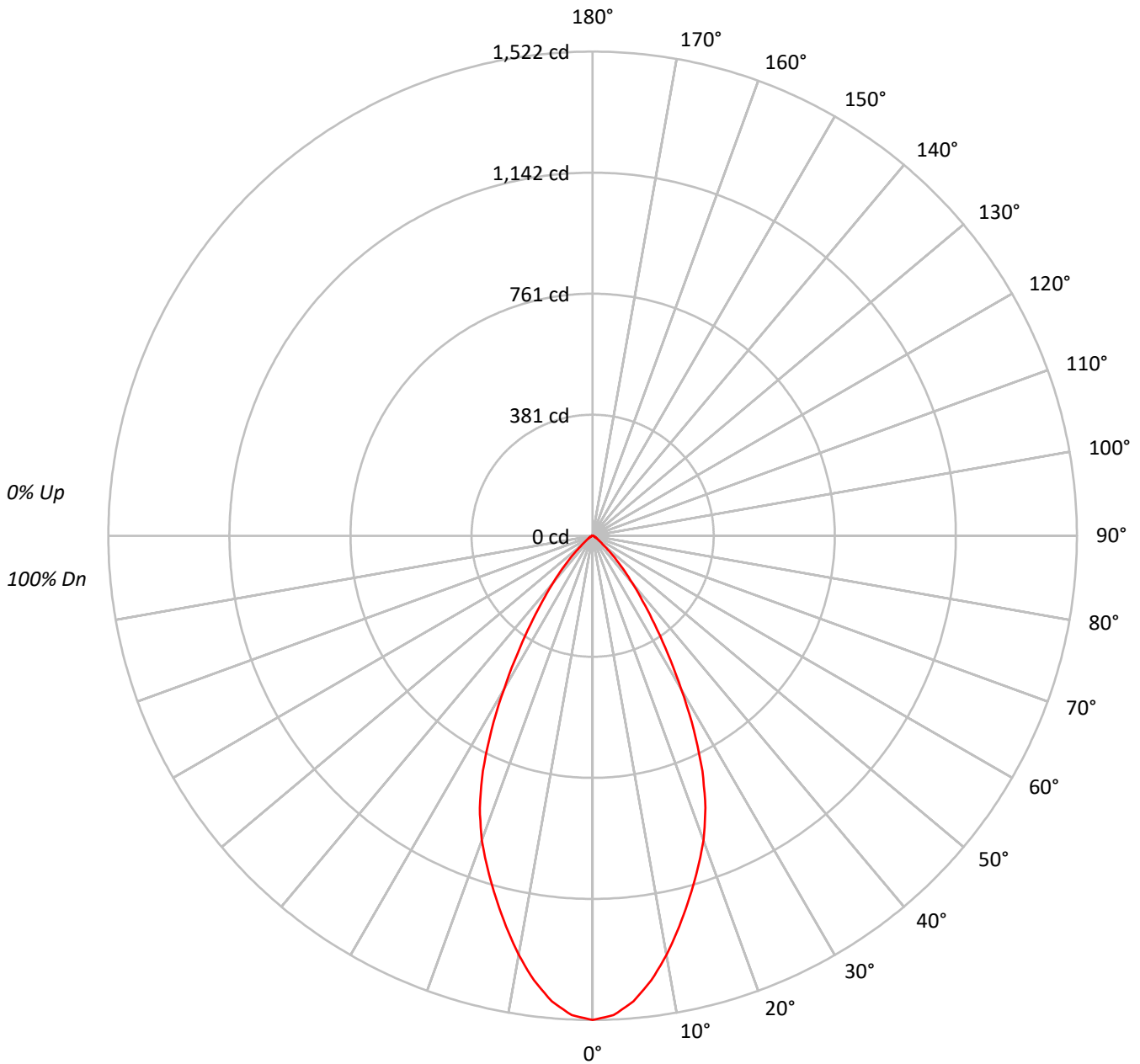
Lumens per Lamp: N/A
Luminaire Lumens: 1158.0 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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°	83436
5°	80855
10°	74453
15°	66782
20°	59418
25°	49346
30°	35252
35°	22660
40°	13812
45°	7675
50°	3403
55°	1969
60°	1294
65°	921
70°	657
75°	508
80°	316
85°	189



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.0	11.7
10°-20°	329.2	28.4
20°-30°	366.1	31.6
30°-40°	216.9	18.7
40°-50°	79.5	6.9
50°-60°	19.9	1.7
60°-70°	7.3	0.6
70°-80°	2.5	0.2
80°-90°	0.5	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°	831.3	71.8
0°-40°	1048.3	90.5
0°-60°	1147.7	99.1
0°-90°	1158.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1158.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1522	
5°	1469	136
15°	1177	329
25°	816	366
35°	339	217
45°	99	79
55°	21	20
65°	7	7
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1522.0
2.5°	1508.5
5°	1469.3
7.5°	1409.8
10°	1337.5
12.5°	1257.8
15°	1176.7
17.5°	1097.9
20°	1018.5
22.5°	926.3
25°	815.8
27.5°	688.7
30°	556.9
32.5°	439.0
35°	338.6
37.5°	257.2
40°	193.0
42.5°	140.6
45°	99.0
47.5°	62.9
50°	39.9
52.5°	28.0
55°	20.6
57.5°	15.5
60°	11.8
62.5°	9.1
65°	7.1
67.5°	5.4
70°	4.1
72.5°	3.0
75°	2.4
77.5°	1.7
80°	1.0
82.5°	0.7
85°	0.3
87.5°	0.3
90°	0.0



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— 0°-180°







(END OF REPORT)