

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: P684100

Luminaire Tested: **LX6C20D010 EX6C209030 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684100
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: LX6C20D010 EX6C209030 6LBMDH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

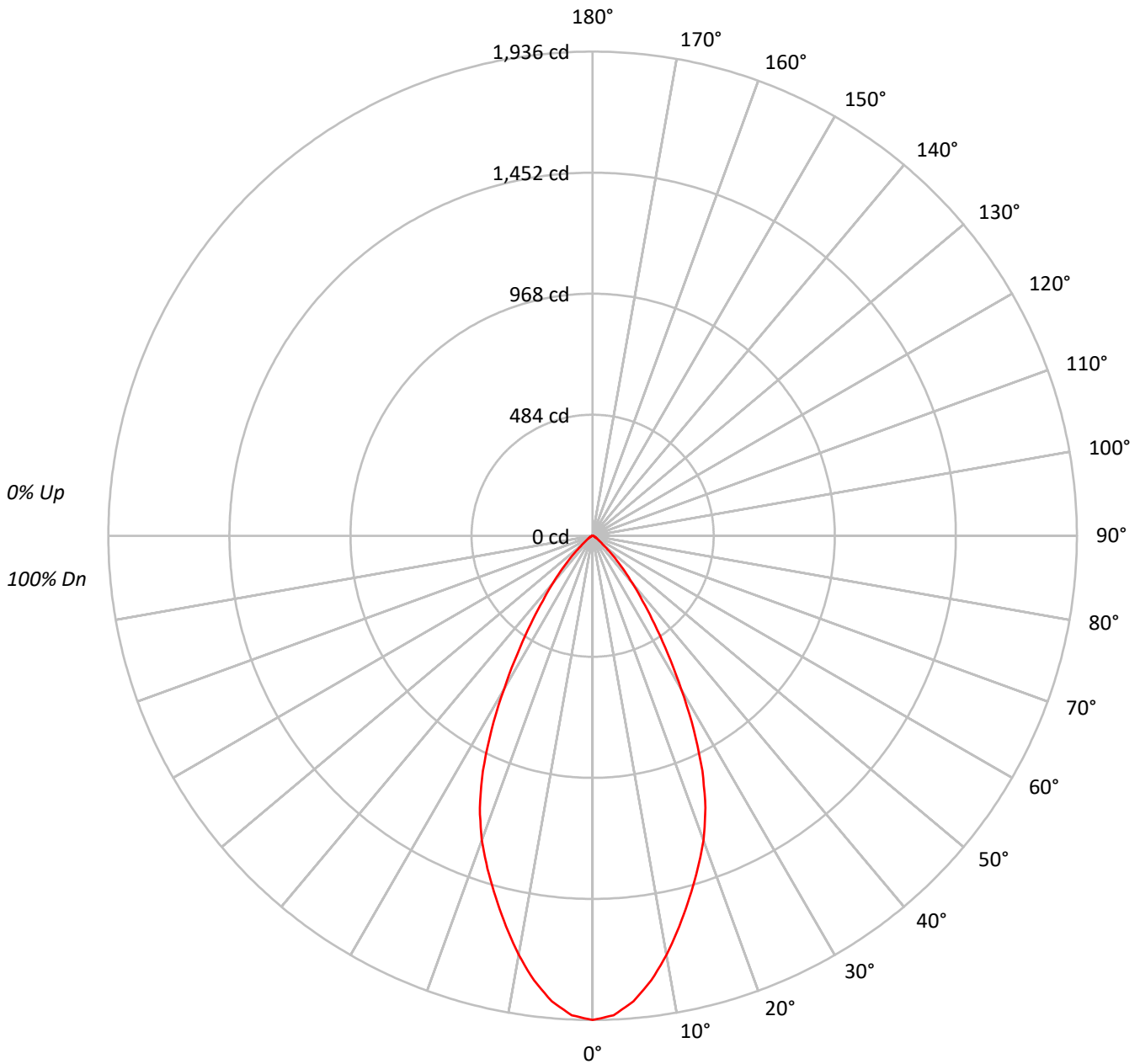
Lumens per Lamp: N/A
Luminaire Lumens: 1473.0 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
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

TEST NUMBER: P684100

CATALOG NUMBER: LX6C20D010 EX6C209030 6LBMDH

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°	106132
5°	102850
10°	94704
15°	84944
20°	75583
25°	62768
30°	44842
35°	28824
40°	17561
45°	9761
50°	4324
55°	2504
60°	1645
65°	1167
70°	833
75°	635
80°	410
85°	252



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.0	11.7
10°-20°	418.7	28.4
20°-30°	465.7	31.6
30°-40°	275.9	18.7
40°-50°	101.1	6.9
50°-60°	25.4	1.7
60°-70°	9.3	0.6
70°-80°	3.2	0.2
80°-90°	0.6	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°	1057.4	71.8
0°-40°	1333.4	90.5
0°-60°	1459.8	99.1
0°-90°	1473.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1473.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1936	
5°	1869	173
15°	1497	419
25°	1038	466
35°	431	276
45°	126	101
55°	26	25
65°	9	9
75°	3	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1936.0
2.5°	1918.9
5°	1869.0
7.5°	1793.3
10°	1701.3
12.5°	1599.9
15°	1496.7
17.5°	1396.6
20°	1295.6
22.5°	1178.2
25°	1037.7
27.5°	876.0
30°	708.4
32.5°	558.4
35°	430.7
37.5°	327.1
40°	245.4
42.5°	178.8
45°	125.9
47.5°	80.0
50°	50.7
52.5°	35.7
55°	26.2
57.5°	19.8
60°	15.0
62.5°	11.6
65°	9.0
67.5°	6.9
70°	5.2
72.5°	3.9
75°	3.0
77.5°	2.1
80°	1.3
82.5°	0.9
85°	0.4
87.5°	0.4
90°	0.0



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— 0°-180°







(END OF REPORT)