

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: P684529

Luminaire Tested: **LX6C70D010 EX6C709030 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684529
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: LX6C70D010 EX6C709030 6LBMDH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

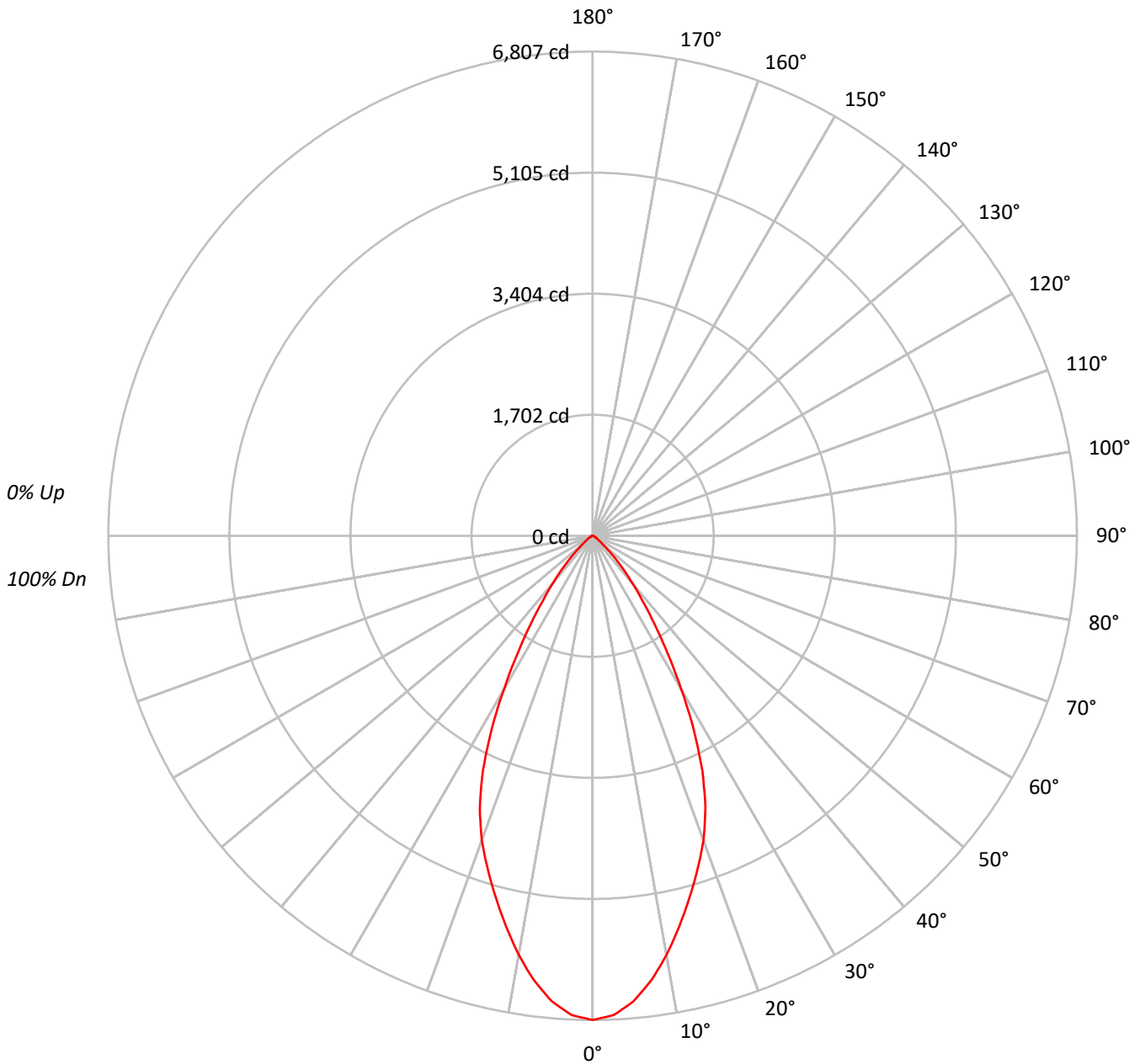
Lumens per Lamp: N/A
Luminaire Lumens: 5179.0 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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: P684529

CATALOG NUMBER: LX6C70D010 EX6C709030 6LBMDH

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°	373166
5°	361616
10°	332988
15°	298668
20°	265743
25°	220682
30°	157663
35°	101348
40°	61759
45°	34329
50°	15206
55°	8812
60°	5800
65°	4112
70°	2901
75°	2245
80°	1421
85°	943



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	608.3	11.7
10°-20°	1472.3	28.4
20°-30°	1637.4	31.6
30°-40°	970.2	18.7
40°-50°	355.4	6.9
50°-60°	89.3	1.7
60°-70°	32.6	0.6
70°-80°	11.3	0.2
80°-90°	2.2	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°	3717.9	71.8
0°-40°	4688.1	90.5
0°-60°	5132.8	99.1
0°-90°	5179.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5179.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6807	
5°	6571	608
15°	5262	1472
25°	3648	1637
35°	1514	970
45°	443	355
55°	92	89
65°	32	33
75°	11	11
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6807.1
2.5°	6746.6
5°	6571.3
7.5°	6305.3
10°	5981.9
12.5°	5625.2
15°	5262.5
17.5°	4910.3
20°	4555.2
22.5°	4142.6
25°	3648.4
27.5°	3080.1
30°	2490.7
32.5°	1963.2
35°	1514.4
37.5°	1150.1
40°	863.0
42.5°	628.7
45°	442.8
47.5°	281.1
50°	178.3
52.5°	125.4
55°	92.2
57.5°	69.5
60°	52.9
62.5°	40.8
65°	31.7
67.5°	24.2
70°	18.1
72.5°	13.6
75°	10.6
77.5°	7.6
80°	4.5
82.5°	3.0
85°	1.5
87.5°	1.5
90°	0.0



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— 0°-180°







(END OF REPORT)