

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: P683944

Luminaire Tested: **LX6C120D010 EX6C1209027 6LBMDH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P683944
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: LX6C120D010 EX6C1209027 6LBMDH
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

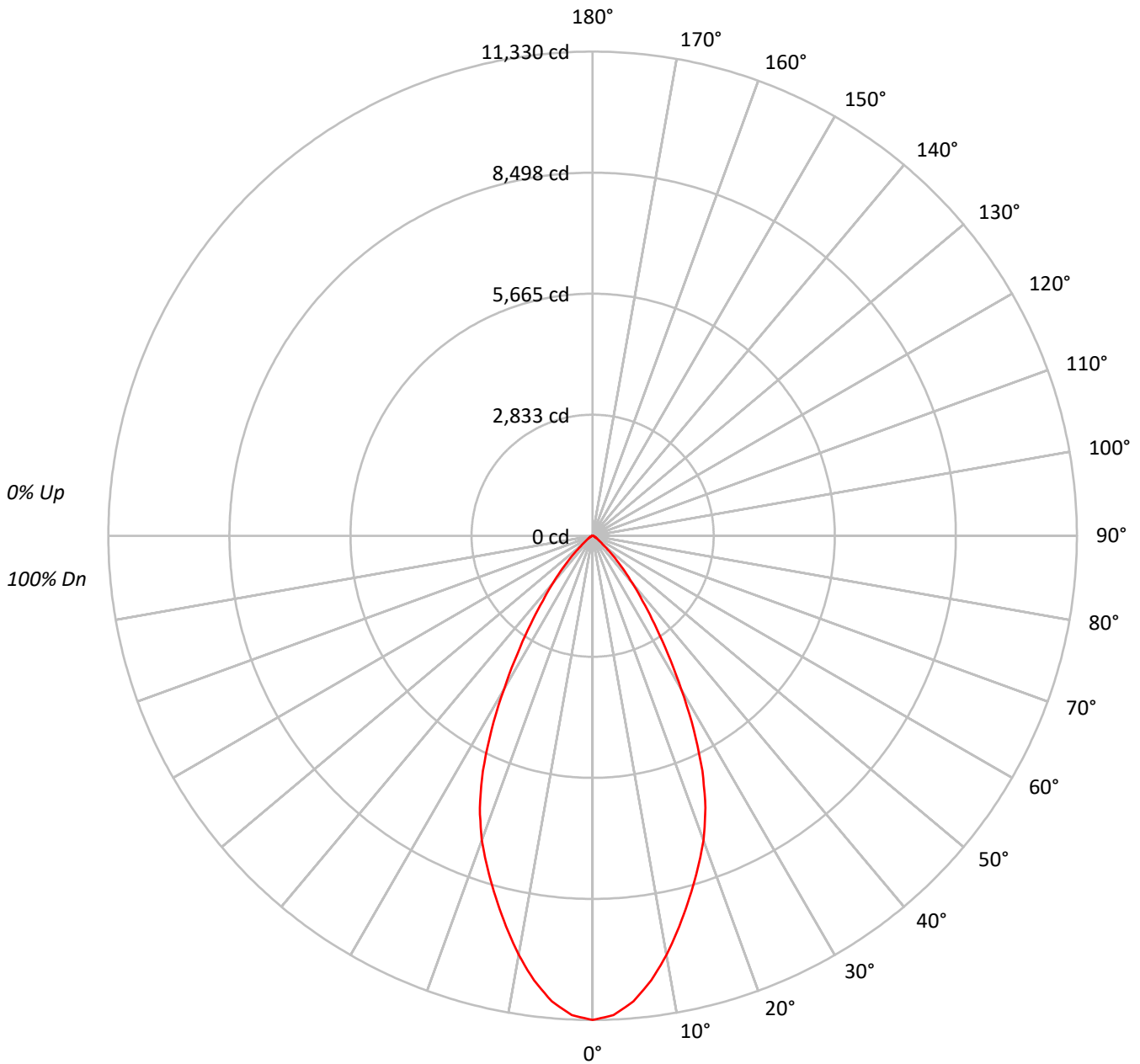
Lumens per Lamp: N/A
Luminaire Lumens: 8619.9 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 142.3
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

TEST NUMBER: P683944

CATALOG NUMBER: LX6C120D010 EX6C1209027 6LBMDH

Luminous Intensity Polar Plot





TEST NUMBER: P683944

CATALOG NUMBER: LX6C120D010 EX6C1209027 6LBMDH

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°	621102
5°	601875
10°	554226
15°	497103
20°	442304
25°	367303
30°	262414
35°	168680
40°	102785
45°	57138
50°	25313
55°	14661
60°	9648
65°	6849
70°	4841
75°	3728
80°	2368
85°	1572



TEST NUMBER: P683944

CATALOG NUMBER: LX6C120D010 EX6C1209027 6LBMDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1012.4	11.7
10°-20°	2450.5	28.4
20°-30°	2725.2	31.6
30°-40°	1614.8	18.7
40°-50°	591.5	6.9
50°-60°	148.6	1.7
60°-70°	54.2	0.6
70°-80°	18.9	0.2
80°-90°	3.7	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°	6188.1	71.8
0°-40°	7802.9	90.5
0°-60°	8543.1	99.1
0°-90°	8619.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8619.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11330	
5°	10937	###
15°	8759	2451
25°	6072	2725
35°	2520	1615
45°	737	592
55°	153	149
65°	53	54
75°	18	19
85°	2	4
90°	0	



TEST NUMBER: P683944

CATALOG NUMBER: LX6C120D010 EX6C1209027 6LBMDH

CANDELA DISTRIBUTION (FULL):

0°	
0°	11329.8
2.5°	11229.1
5°	10937.3
7.5°	10494.6
10°	9956.3
12.5°	9362.6
15°	8758.9
17.5°	8172.8
20°	7581.7
22.5°	6894.9
25°	6072.4
27.5°	5126.6
30°	4145.5
32.5°	3267.6
35°	2520.5
37.5°	1914.3
40°	1436.3
42.5°	1046.4
45°	737.0
47.5°	467.9
50°	296.8
52.5°	208.8
55°	153.4
57.5°	115.7
60°	88.0
62.5°	67.9
65°	52.8
67.5°	40.2
70°	30.2
72.5°	22.6
75°	17.6
77.5°	12.6
80°	7.5
82.5°	5.0
85°	2.5
87.5°	2.5
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)