

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: P684171

Luminaire Tested: **LX6C30D010 EX6C309027 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684171
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: LX6C30D010 EX6C309027 6LBMDH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

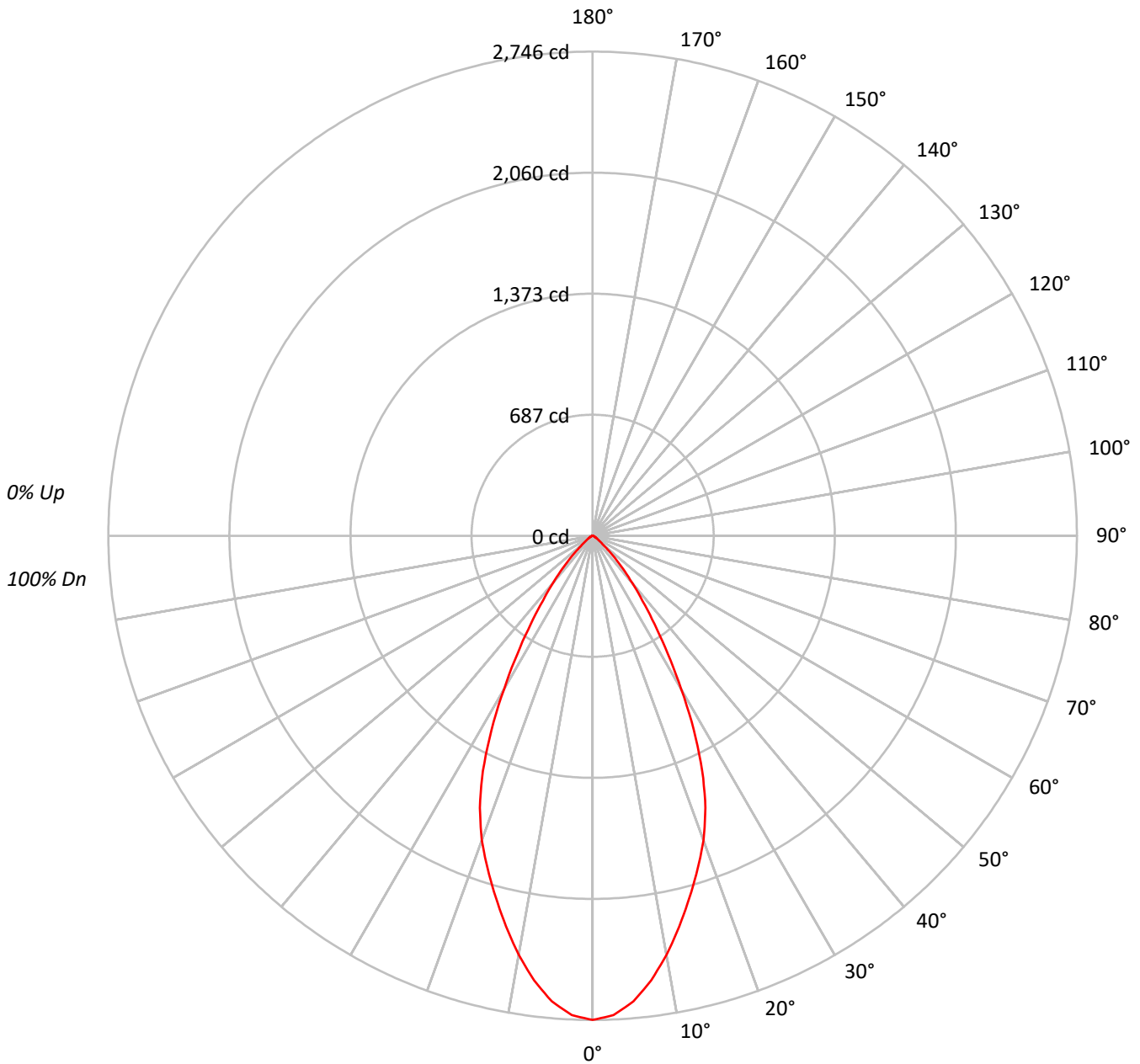
Lumens per Lamp: N/A
Luminaire Lumens: 2089.0 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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: P684171

CATALOG NUMBER: LX6C30D010 EX6C309027 6LBMDH

Luminous Intensity Polar Plot





TEST NUMBER: P684171

CATALOG NUMBER: LX6C30D010 EX6C309027 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	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°	150520
5°	145861
10°	134311
15°	120472
20°	107191
25°	89013
30°	63592
35°	40877
40°	24911
45°	13846
50°	6132
55°	3555
60°	2335
65°	1660
70°	1170
75°	911
80°	568
85°	377



TEST NUMBER: P684171

CATALOG NUMBER: LX6C30D010 EX6C309027 6LBMDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.3	11.7
10°-20°	593.9	28.4
20°-30°	660.4	31.6
30°-40°	391.3	18.7
40°-50°	143.4	6.9
50°-60°	36.0	1.7
60°-70°	13.2	0.6
70°-80°	4.6	0.2
80°-90°	0.9	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°	1499.7	71.8
0°-40°	1891.0	90.5
0°-60°	2070.3	99.1
0°-90°	2089.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2089.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2746	
5°	2651	245
15°	2123	594
25°	1472	660
35°	611	391
45°	179	143
55°	37	36
65°	13	13
75°	4	5
85°	1	1
90°	0	



TEST NUMBER: P684171

CATALOG NUMBER: LX6C30D010 EX6C309027 6LBMDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2745.7
2.5°	2721.3
5°	2650.6
7.5°	2543.3
10°	2412.8
12.5°	2269.0
15°	2122.7
17.5°	1980.6
20°	1837.4
22.5°	1670.9
25°	1471.6
27.5°	1242.4
30°	1004.6
32.5°	791.9
35°	610.8
37.5°	463.9
40°	348.1
42.5°	253.6
45°	178.6
47.5°	113.4
50°	71.9
52.5°	50.6
55°	37.2
57.5°	28.0
60°	21.3
62.5°	16.5
65°	12.8
67.5°	9.8
70°	7.3
72.5°	5.5
75°	4.3
77.5°	3.0
80°	1.8
82.5°	1.2
85°	0.6
87.5°	0.6
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)