

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: P684561

Luminaire Tested: **LX6C75D010 EX6C759027 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684561
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: LX6C75D010 EX6C759027 6LBMDH
Description: 6 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

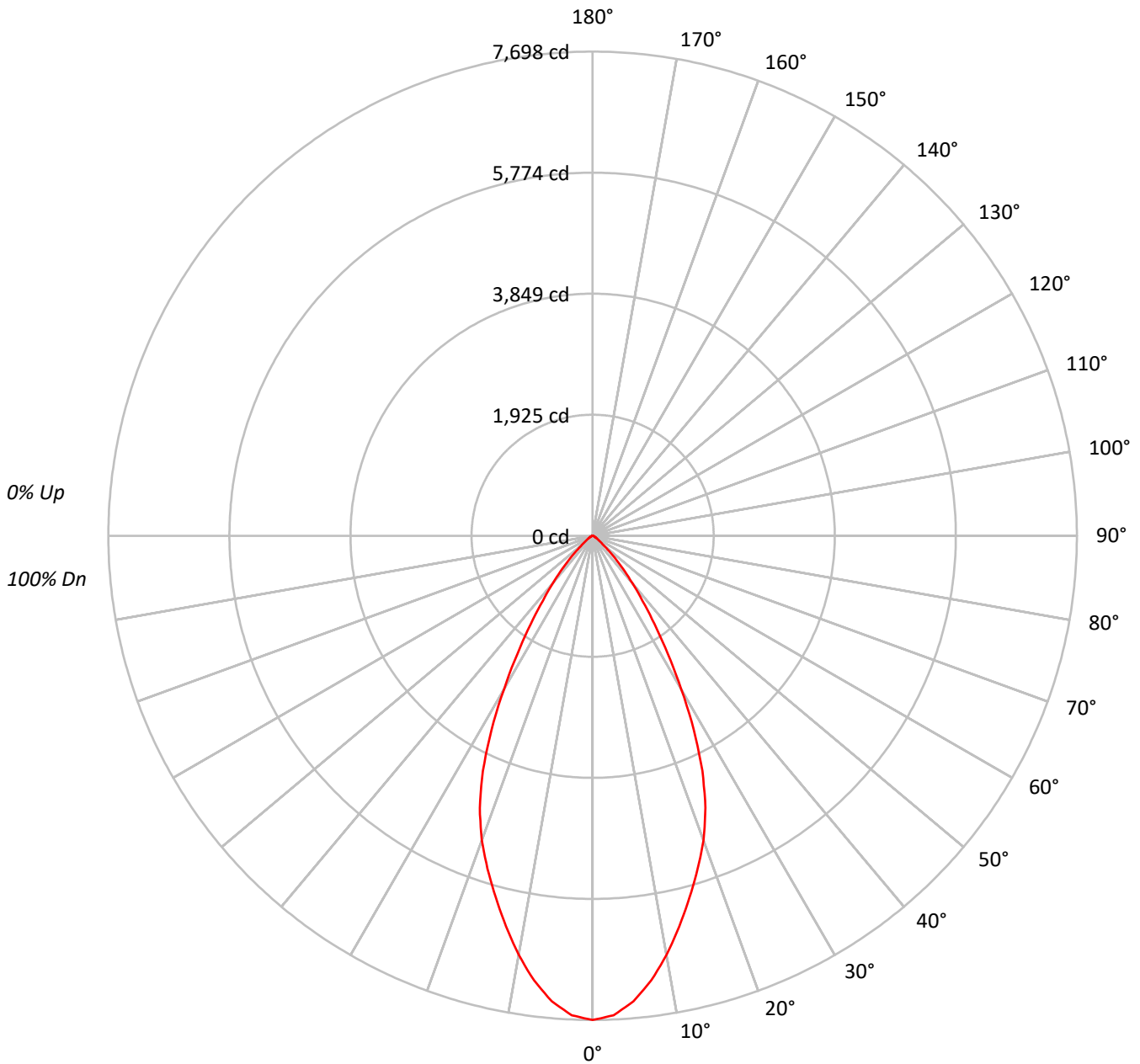
Lumens per Lamp: N/A
Luminaire Lumens: 5857.0 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
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: P684561

CATALOG NUMBER: LX6C75D010 EX6C759027 6LBMDH

Luminous Intensity Polar Plot





TEST NUMBER: P684561

CATALOG NUMBER: LX6C75D010 EX6C759027 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°	422017
5°	408958
10°	376580
15°	337766
20°	300530
25°	249571
30°	178300
35°	114612
40°	69838
45°	38826
50°	17202
55°	9969
60°	6556
65°	4657
70°	3286
75°	2542
80°	1610
85°	1069



TEST NUMBER: P684561

CATALOG NUMBER: LX6C75D010 EX6C759027 6LBMDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	687.9	11.7
10°-20°	1665.1	28.4
20°-30°	1851.7	31.6
30°-40°	1097.2	18.7
40°-50°	401.9	6.9
50°-60°	101.0	1.7
60°-70°	36.8	0.6
70°-80°	12.8	0.2
80°-90°	2.5	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°	4204.6	71.8
0°-40°	5301.8	90.5
0°-60°	5804.7	99.1
0°-90°	5857.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5857.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7698	
5°	7432	688
15°	5951	1665
25°	4126	1852
35°	1713	1097
45°	501	402
55°	104	101
65°	36	37
75°	12	13
85°	2	3
90°	0	



TEST NUMBER: P684561

CATALOG NUMBER: LX6C75D010 EX6C759027 6LBMDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	7698.2
2.5°	7629.8
5°	7431.6
7.5°	7130.7
10°	6765.0
12.5°	6361.6
15°	5951.4
17.5°	5553.2
20°	5151.5
22.5°	4684.9
25°	4126.0
27.5°	3483.3
30°	2816.7
32.5°	2220.2
35°	1712.6
37.5°	1300.7
40°	975.9
42.5°	711.0
45°	500.8
47.5°	317.9
50°	201.7
52.5°	141.9
55°	104.3
57.5°	78.6
60°	59.8
62.5°	46.1
65°	35.9
67.5°	27.3
70°	20.5
72.5°	15.4
75°	12.0
77.5°	8.5
80°	5.1
82.5°	3.4
85°	1.7
87.5°	1.7
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)