

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: P684575

Luminaire Tested: **LX6C75D010 EX6C759035 6LBMDH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684575
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 EX6C759035 6LBMDH
Description: 6 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

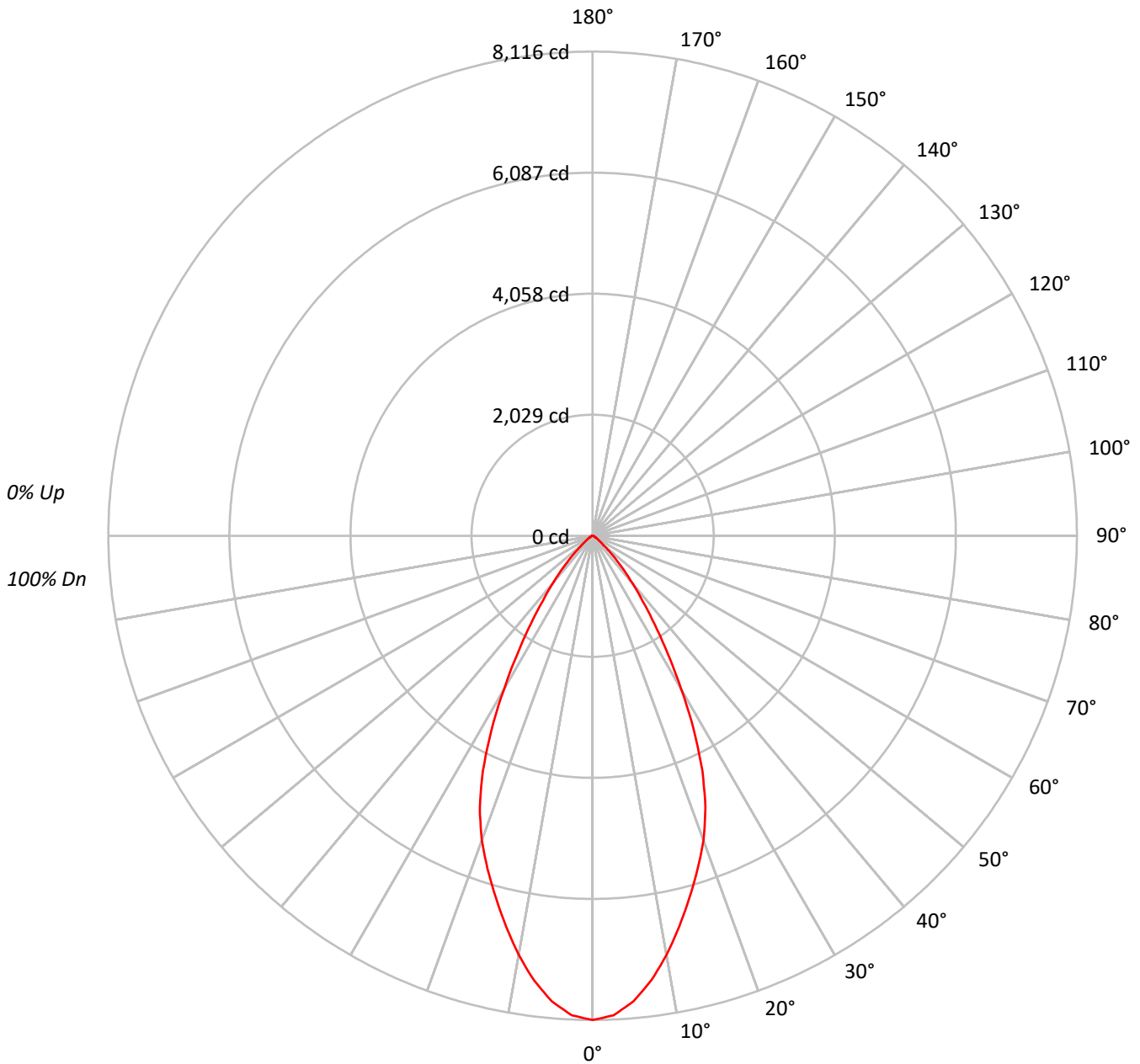
Lumens per Lamp: N/A
Luminaire Lumens: 6175.0 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P684575

CATALOG NUMBER: LX6C75D010 EX6C759035 6LBMDH

Luminous Intensity Polar Plot





TEST NUMBER: P684575

CATALOG NUMBER: LX6C75D010 EX6C759035 6LBMDH

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	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	93																										
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87	87																										
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81	81																										
4	97	90	84	80	95	89	83	80	86	82	79	84	81	78	83	79	77	75	75																										
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70																										
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66	66																										
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62	62																										
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58	58																										
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54	54																										
10	72	63	57	53	71	62	57	53	62	56	53	61	56	53	60	56	53	51	51																										

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	444931
5°	431157
10°	397026
15°	356103
20°	316848
25°	263120
30°	187985
35°	120836
40°	73631
45°	40934
50°	18132
55°	10504
60°	6918
65°	4903
70°	3462
75°	2669
80°	1705
85°	1132



TEST NUMBER: P684575

CATALOG NUMBER: LX6C75D010 EX6C759035 6LBMDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	725.2	11.7
10°-20°	1755.5	28.4
20°-30°	1952.2	31.6
30°-40°	1156.8	18.7
40°-50°	423.7	6.9
50°-60°	106.5	1.7
60°-70°	38.9	0.6
70°-80°	13.5	0.2
80°-90°	2.7	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°	4432.9	71.8
0°-40°	5589.7	90.5
0°-60°	6119.9	99.1
0°-90°	6175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6175.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8116	
5°	7835	725
15°	6274	1755
25°	4350	1952
35°	1806	1157
45°	528	424
55°	110	106
65°	38	39
75°	13	14
85°	2	3
90°	0	



TEST NUMBER: P684575

CATALOG NUMBER: LX6C75D010 EX6C759035 6LBMDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	8116.2
2.5°	8044.1
5°	7835.0
7.5°	7517.9
10°	7132.3
12.5°	6707.0
15°	6274.5
17.5°	5854.7
20°	5431.2
22.5°	4939.2
25°	4350.0
27.5°	3672.5
30°	2969.7
32.5°	2340.8
35°	1805.6
37.5°	1371.3
40°	1028.9
42.5°	749.6
45°	528.0
47.5°	335.2
50°	212.6
52.5°	149.6
55°	109.9
57.5°	82.9
60°	63.1
62.5°	48.7
65°	37.8
67.5°	28.8
70°	21.6
72.5°	16.2
75°	12.6
77.5°	9.0
80°	5.4
82.5°	3.6
85°	1.8
87.5°	1.8
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)