

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: P684309

Luminaire Tested: **LX6C45D010 EX6C459040 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684309
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: LX6C45D010 EX6C459040 6LBMDH
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

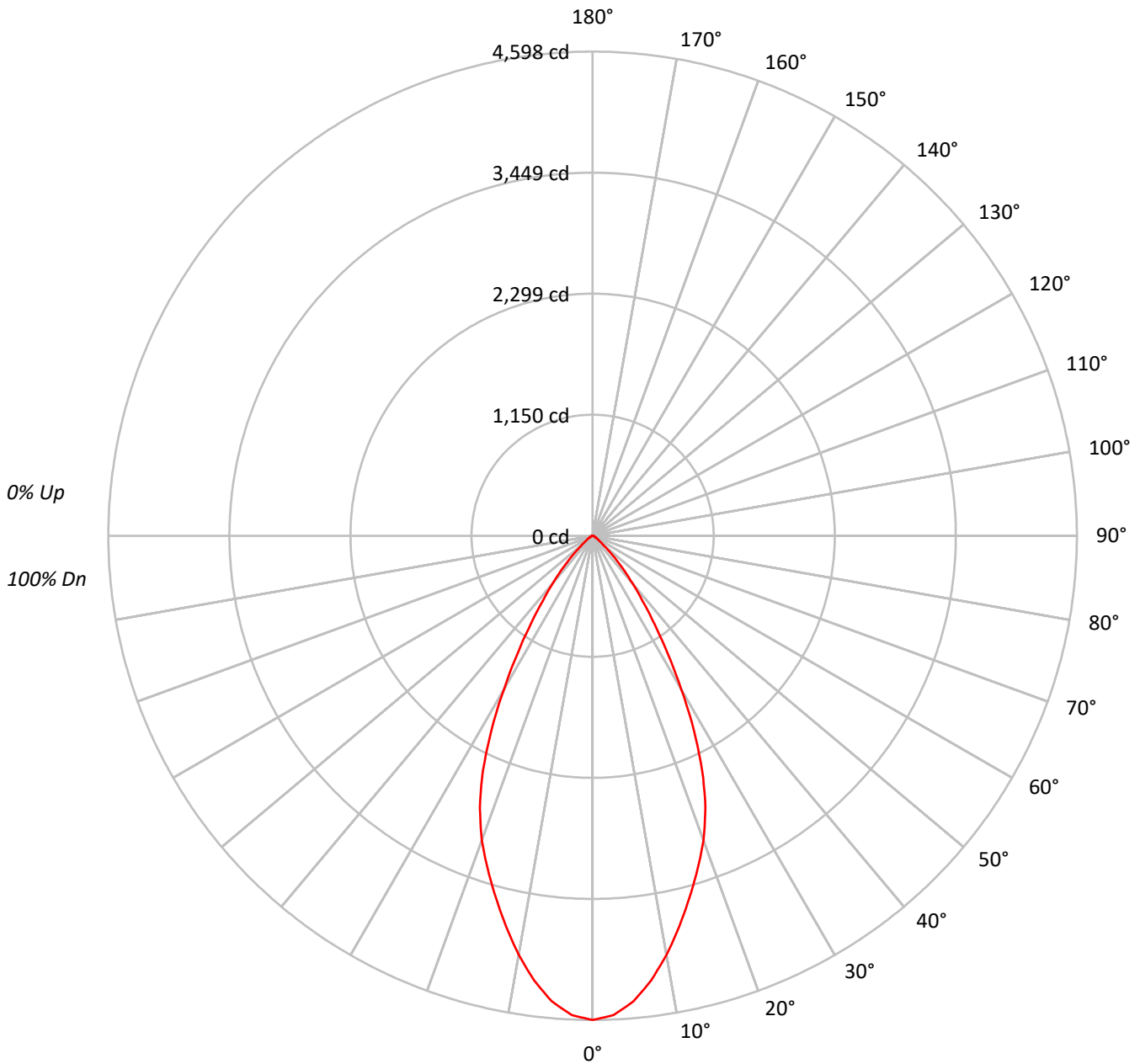
Lumens per Lamp: N/A
Luminaire Lumens: 3498.0 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 49.6
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: P684309

CATALOG NUMBER: LX6C45D010 EX6C459040 6LBMDH

Luminous Intensity Polar Plot





TEST NUMBER: P684309

CATALOG NUMBER: LX6C45D010 EX6C459040 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°	252041
5°	244243
10°	224907
15°	201726
20°	179484
25°	149053
30°	106491
35°	68449
40°	41714
45°	23188
50°	10277
55°	5954
60°	3914
65°	2776
70°	1955
75°	1504
80°	979
85°	629



TEST NUMBER: P684309

CATALOG NUMBER: LX6C45D010 EX6C459040 6LBMDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.8	11.7
10°-20°	994.4	28.4
20°-30°	1105.9	31.6
30°-40°	655.3	18.7
40°-50°	240.1	6.9
50°-60°	60.3	1.7
60°-70°	22.0	0.6
70°-80°	7.6	0.2
80°-90°	1.5	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°	2511.2	71.8
0°-40°	3166.4	90.5
0°-60°	3466.8	99.1
0°-90°	3498.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3498.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4598	
5°	4438	411
15°	3554	994
25°	2464	1106
35°	1023	655
45°	299	240
55°	62	60
65°	21	22
75°	7	8
85°	1	2
90°	0	



TEST NUMBER: P684309

CATALOG NUMBER: LX6C45D010 EX6C459040 6LBMDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	4597.6
2.5°	4556.8
5°	4438.4
7.5°	4258.7
10°	4040.3
12.5°	3799.4
15°	3554.4
17.5°	3316.5
20°	3076.6
22.5°	2798.0
25°	2464.2
27.5°	2080.4
30°	1682.3
32.5°	1326.0
35°	1022.8
37.5°	776.8
40°	582.9
42.5°	424.6
45°	299.1
47.5°	189.9
50°	120.5
52.5°	84.7
55°	62.3
57.5°	47.0
60°	35.7
62.5°	27.6
65°	21.4
67.5°	16.3
70°	12.2
72.5°	9.2
75°	7.1
77.5°	5.1
80°	3.1
82.5°	2.0
85°	1.0
87.5°	1.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)