

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: P685286

Luminaire Tested: **LX6C90D010 EX6909050 6LRMDLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P685286
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-20)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C90D010 EX6909050 6LRMDLI
Description: 6 INCH 9000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

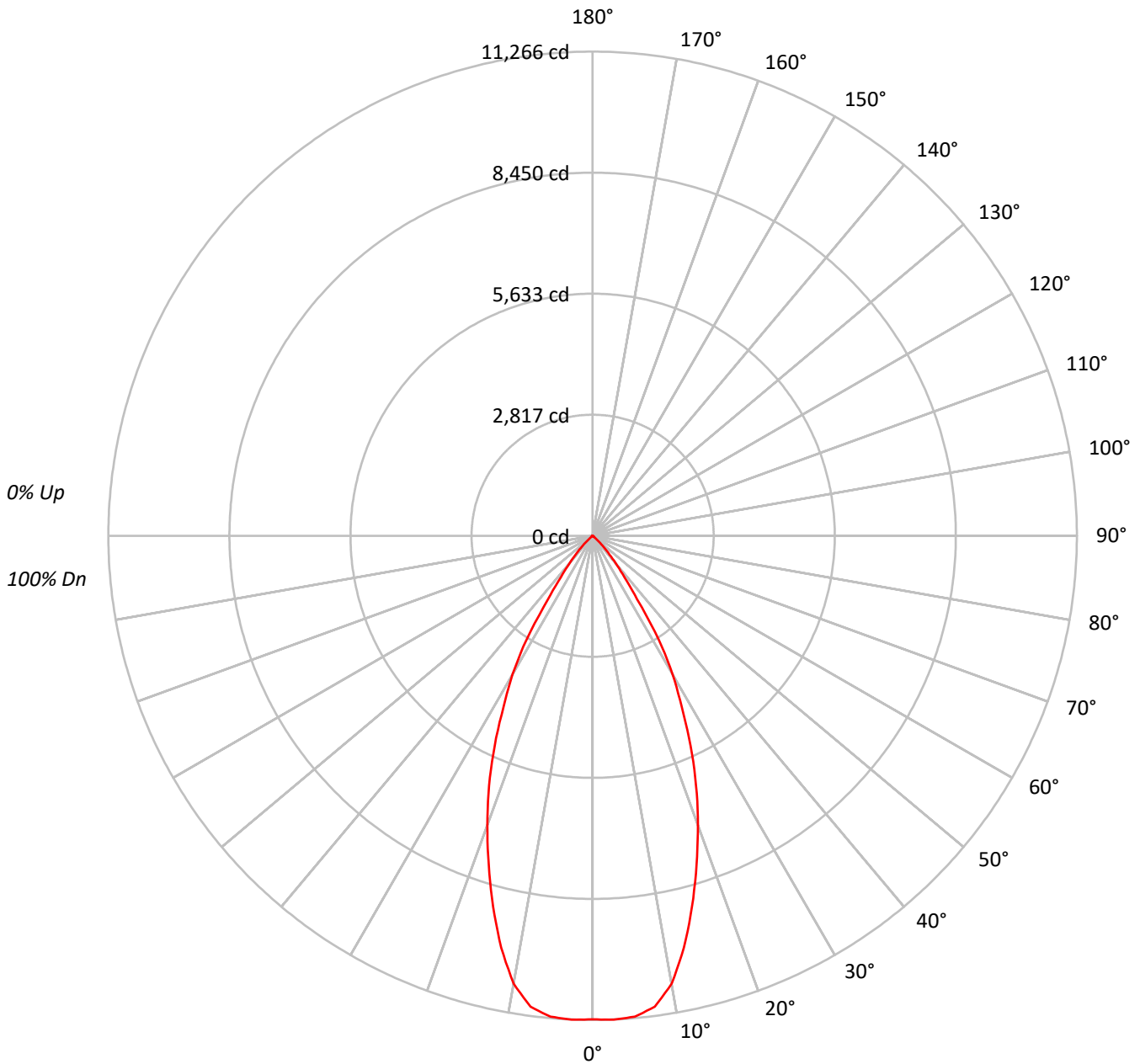
Lumens per Lamp: N/A
Luminaire Lumens: 7534.0 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 97.1
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: P685286

CATALOG NUMBER: LX6C90D010 EX6909050 6LRMDLI

Luminous Intensity Polar Plot





TEST NUMBER: P685286

CATALOG NUMBER: LX6C90D010 EX6909050 6LRMDLI

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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89			
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83			
4	99	92	87	83	97	91	86	83	89	85	82	87	83	81	85	82	80	78			
5	95	87	81	77	93	86	81	77	84	80	76	83	79	76	81	78	75	74			
6	90	82	77	73	89	81	76	72	80	75	72	79	74	71	77	74	71	70			
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66			
8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62			
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59			
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	616891
5°	618076
10°	589028
15°	507188
20°	417820
25°	326341
30°	235682
35°	120702
40°	58853
45°	24452
50°	4452
55°	2590
60°	1699
65°	1258
70°	930
75°	826
80°	600
85°	0



TEST NUMBER: P685286

CATALOG NUMBER: LX6C90D010 EX6909050 6LRMDLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1052.8	14.0
10°-20°	2476.9	32.9
20°-30°	2453.2	32.6
30°-40°	1243.6	16.5
40°-50°	267.9	3.6
50°-60°	25.5	0.3
60°-70°	9.8	0.1
70°-80°	3.6	0.0
80°-90°	0.8	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°	5982.8	79.4
0°-40°	7226.4	95.9
0°-60°	7519.8	99.8
0°-90°	7534.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7534.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11253	
5°	11232	###
15°	8937	2477
25°	5395	2453
35°	1804	1244
45°	315	268
55°	27	26
65°	10	10
75°	4	4
85°	0	1
90°	0	



TEST NUMBER: P685286

CATALOG NUMBER: LX6C90D010 EX6909050 6LRMDLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	11253.0
2.5°	11266.5
5°	11231.7
7.5°	11055.6
10°	10581.5
12.5°	9819.0
15°	8936.6
17.5°	8032.9
20°	7162.0
22.5°	6291.2
25°	5395.2
27.5°	4481.8
30°	3723.2
32.5°	2867.9
35°	1803.6
37.5°	1213.3
40°	822.4
42.5°	532.2
45°	315.4
47.5°	141.3
50°	52.2
52.5°	34.8
55°	27.1
57.5°	19.4
60°	15.5
62.5°	11.6
65°	9.7
67.5°	7.7
70°	5.8
72.5°	3.9
75°	3.9
77.5°	1.9
80°	1.9
82.5°	1.9
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)