

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: P685241

Luminaire Tested: **LX6C80D010 EX6809027 6LRMDLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P685241
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: LX6C80D010 EX6809027 6LRMDLI
Description: 6 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

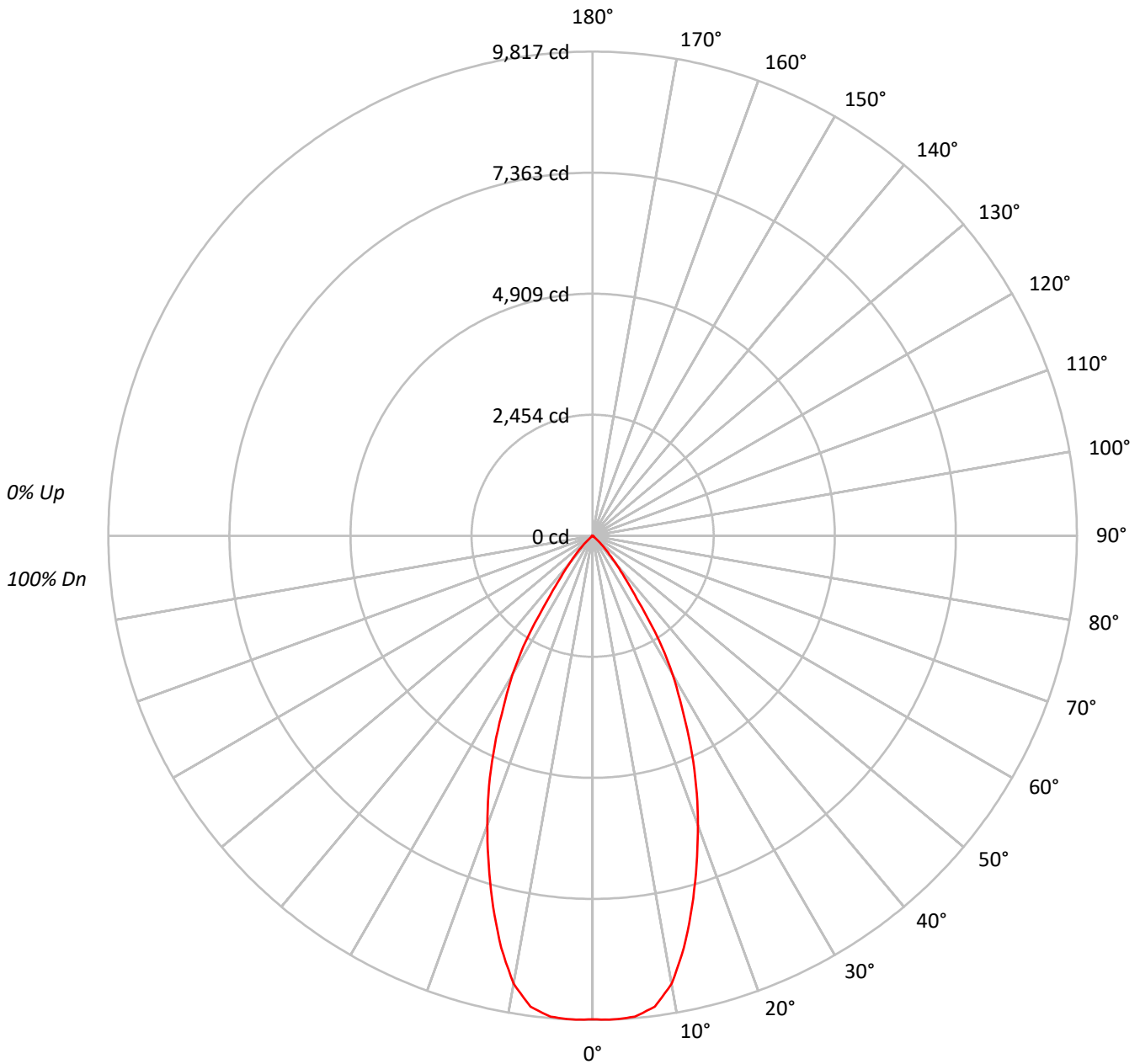
Lumens per Lamp: N/A
Luminaire Lumens: 6565.0 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 89.5
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

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Luminous Intensity Polar Plot





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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
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	100	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	70	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°	537545
5°	538580
10°	513267
15°	441955
20°	364084
25°	284369
30°	205373
35°	105176
40°	51289
45°	21312
50°	3880
55°	2256
60°	1480
65°	1090
70°	817
75°	720
80°	537
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	917.3	14.0
10°-20°	2158.3	32.9
20°-30°	2137.7	32.6
30°-40°	1083.6	16.5
40°-50°	233.5	3.6
50°-60°	22.3	0.3
60°-70°	8.5	0.1
70°-80°	3.1	0.0
80°-90°	0.7	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°	5213.3	79.4
0°-40°	6297.0	95.9
0°-60°	6552.7	99.8
0°-90°	6565.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6565.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9806	
5°	9787	917
15°	7787	2158
25°	4701	2138
35°	1572	1084
45°	275	233
55°	24	22
65°	8	9
75°	3	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9805.6
2.5°	9817.4
5°	9787.1
7.5°	9633.6
10°	9220.5
12.5°	8556.1
15°	7787.2
17.5°	6999.7
20°	6240.9
22.5°	5482.1
25°	4701.3
27.5°	3905.4
30°	3244.4
32.5°	2499.0
35°	1571.6
37.5°	1057.3
40°	716.7
42.5°	463.7
45°	274.9
47.5°	123.1
50°	45.5
52.5°	30.4
55°	23.6
57.5°	16.9
60°	13.5
62.5°	10.1
65°	8.4
67.5°	6.7
70°	5.1
72.5°	3.4
75°	3.4
77.5°	1.7
80°	1.7
82.5°	1.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)