

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: P685242

Luminaire Tested: **LX6C80D010 EX6809030 6LBMLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P685242
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205108)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C80D010 EX6809030 6LBMLI
Description: 6 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

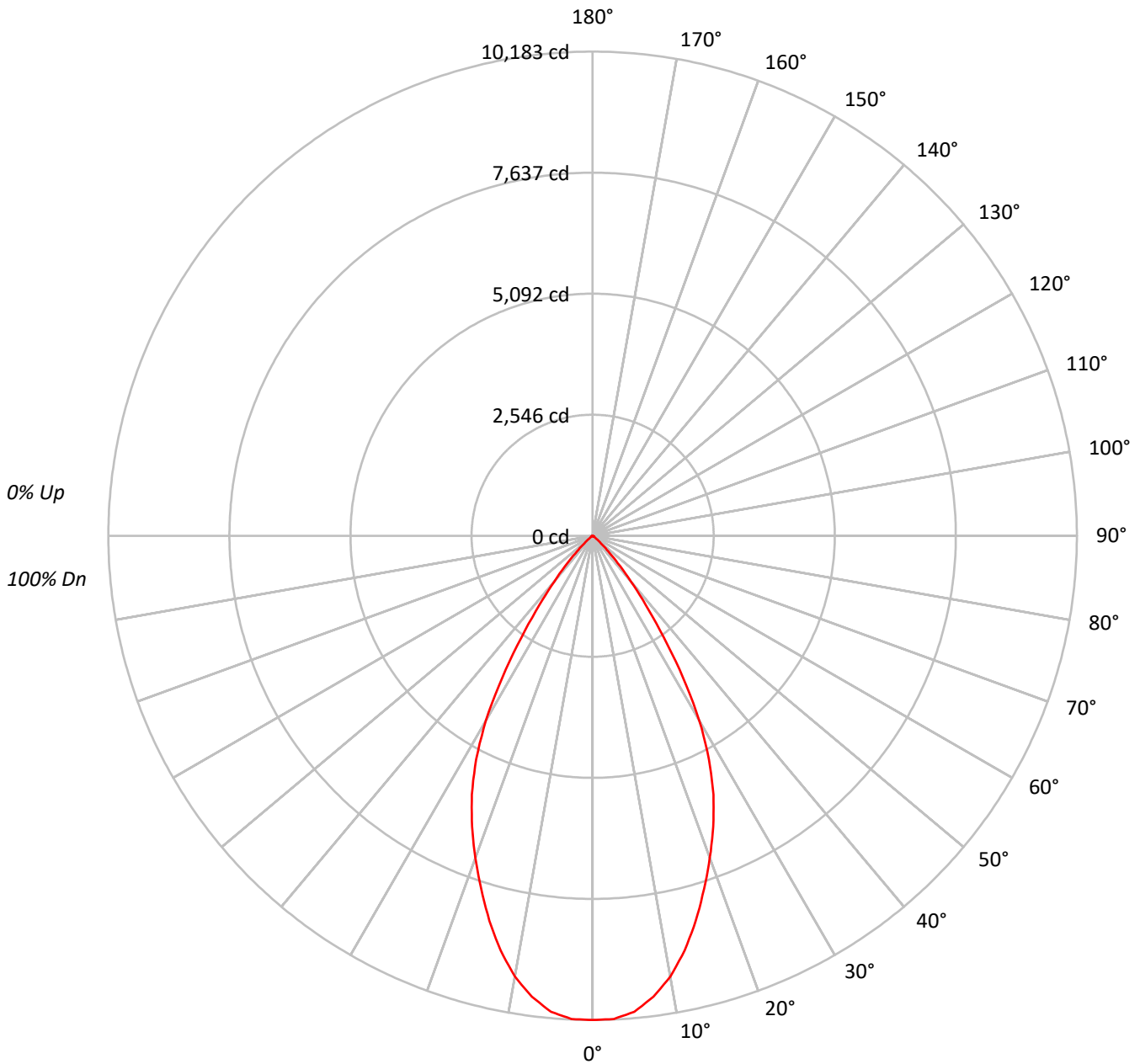
Lumens per Lamp: N/A
Luminaire Lumens: 8137.0 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94			
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88			
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82			
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76			
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71			
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67			
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63			
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	558239
5°	552926
10°	523949
15°	475695
20°	420346
25°	363402
30°	284069
35°	174207
40°	89418
45°	35523
50°	11531
55°	3976
60°	3410
65°	2724
70°	1683
75°	2224
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	938.1	11.5
10°-20°	2335.5	28.7
20°-30°	2714.9	33.4
30°-40°	1662.5	20.4
40°-50°	412.8	5.1
50°-60°	48.2	0.6
60°-70°	18.1	0.2
70°-80°	6.9	0.1
80°-90°	0.0	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°	5988.5	73.6
0°-40°	7651.0	94.0
0°-60°	8112.1	99.7
0°-90°	8137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8137.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10183	
5°	10048	938
15°	8382	2335
25°	6008	2715
35°	2603	1663
45°	458	413
55°	42	48
65°	21	18
75°	10	7
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10183.1
2.5°	10172.6
5°	10047.8
7.5°	9776.9
10°	9412.4
12.5°	8933.6
15°	8381.7
17.5°	7788.3
20°	7205.3
22.5°	6622.0
25°	6007.9
27.5°	5299.8
30°	4487.6
32.5°	3540.1
35°	2603.1
37.5°	1832.4
40°	1249.5
42.5°	780.8
45°	458.2
47.5°	260.4
50°	135.2
52.5°	62.6
55°	41.6
57.5°	31.1
60°	31.1
62.5°	21.0
65°	21.0
67.5°	10.5
70°	10.5
72.5°	10.5
75°	10.5
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)