

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: P685259

Luminaire Tested: **LX6C80D010 EX6809050 6LBSLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P685259
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205419)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C80D010 EX6809050 6LBSLI
Description: 6 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

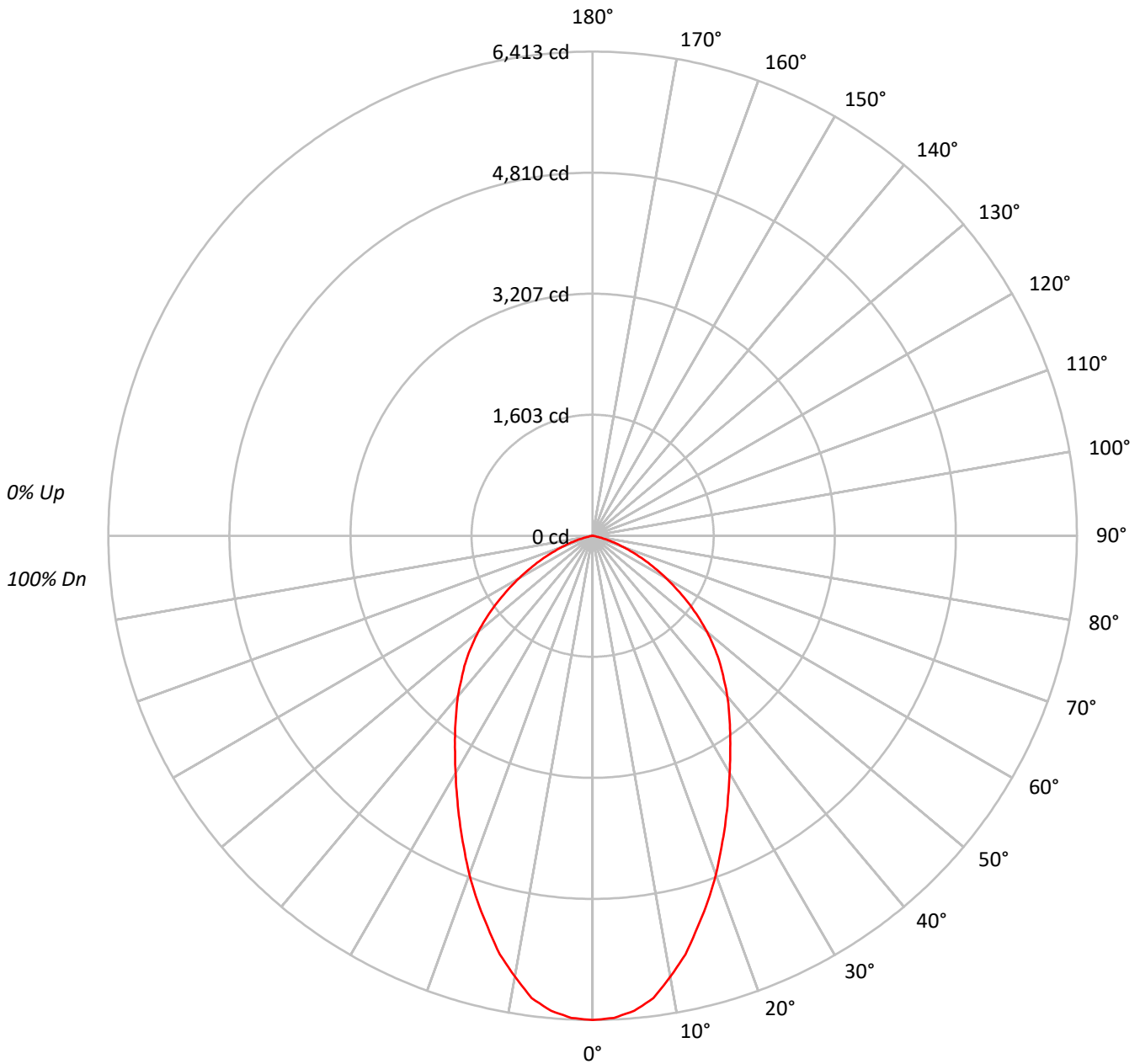
Lumens per Lamp: N/A
Luminaire Lumens: 10163.1 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68			
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60			
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53			
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47			
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43			
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39			
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36			
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	351578
5°	347572
10°	329954
15°	304542
20°	278408
25°	252093
30°	229637
35°	212434
40°	198572
45°	184980
50°	168506
55°	147560
60°	123104
65°	96625
70°	67495
75°	36579
80°	6851
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	591.0	5.8
10°-20°	1504.5	14.8
20°-30°	1918.6	18.9
30°-40°	1989.6	19.6
40°-50°	1833.3	18.0
50°-60°	1379.1	13.6
60°-70°	744.4	7.3
70°-80°	199.7	2.0
80°-90°	2.9	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°	4014.1	39.5
0°-40°	6003.7	59.1
0°-60°	9216.0	90.7
0°-90°	10163.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10163.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6413	
5°	6316	591
15°	5366	1505
25°	4168	1919
35°	3174	1990
45°	2386	1833
55°	1544	1379
65°	745	744
75°	173	200
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6413.3
2.5°	6391.9
5°	6316.1
7.5°	6175.8
10°	5927.4
12.5°	5679.2
15°	5366.0
17.5°	5074.7
20°	4772.3
22.5°	4459.2
25°	4167.7
27.5°	3887.0
30°	3627.7
32.5°	3390.2
35°	3174.3
37.5°	2969.1
40°	2774.8
42.5°	2569.8
45°	2386.0
47.5°	2181.0
50°	1975.8
52.5°	1760.0
55°	1543.9
57.5°	1328.1
60°	1122.8
62.5°	928.5
65°	744.9
67.5°	572.3
70°	421.1
72.5°	291.6
75°	172.7
77.5°	75.5
80°	21.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)