

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: P685084

Luminaire Tested: **LX6C50D010 EX6509050 6LBSLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P685084
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: LX6C50D010 EX6509050 6LBSLI
Description: 6 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

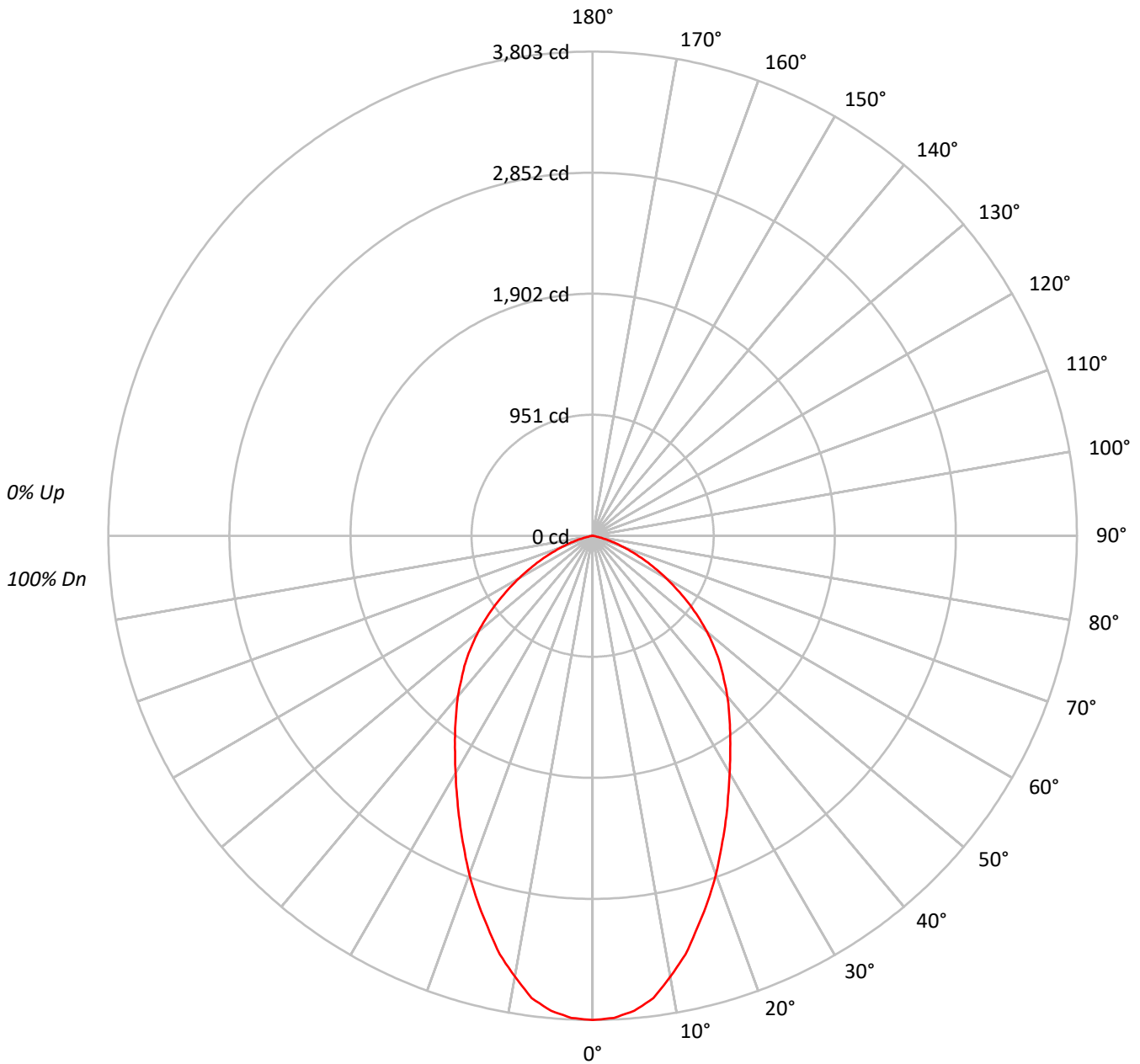
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6027.0 lumens
Efficiency: N/A
Efficacy: 103.2 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): 58.4
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	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°	208498
5°	206124
10°	195671
15°	180603
20°	165104
25°	149501
30°	136186
35°	125983
40°	117756
45°	109701
50°	99928
55°	87509
60°	73010
65°	57308
70°	40023
75°	21689
80°	4072
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.5	5.8
10°-20°	892.2	14.8
20°-30°	1137.8	18.9
30°-40°	1179.9	19.6
40°-50°	1087.2	18.0
50°-60°	817.8	13.6
60°-70°	441.4	7.3
70°-80°	118.4	2.0
80°-90°	1.7	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°	2380.5	39.5
0°-40°	3560.4	59.1
0°-60°	5465.4	90.7
0°-90°	6027.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6027.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3803	
5°	3746	350
15°	3182	892
25°	2472	1138
35°	1882	1180
45°	1415	1087
55°	916	818
65°	442	441
75°	102	118
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3803.3
2.5°	3790.6
5°	3745.7
7.5°	3662.5
10°	3515.1
12.5°	3368.0
15°	3182.2
17.5°	3009.4
20°	2830.1
22.5°	2644.5
25°	2471.6
27.5°	2305.1
30°	2151.4
32.5°	2010.5
35°	1882.5
37.5°	1760.8
40°	1645.5
42.5°	1524.0
45°	1415.0
47.5°	1293.4
50°	1171.7
52.5°	1043.7
55°	915.6
57.5°	787.6
60°	665.9
62.5°	550.6
65°	441.8
67.5°	339.4
70°	249.7
72.5°	172.9
75°	102.4
77.5°	44.8
80°	12.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)