

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: P684989

Luminaire Tested: **LX6C40D010 EX6409027 6LBSLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684989
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: LX6C40D010 EX6409027 6LBSLI
Description: 6 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

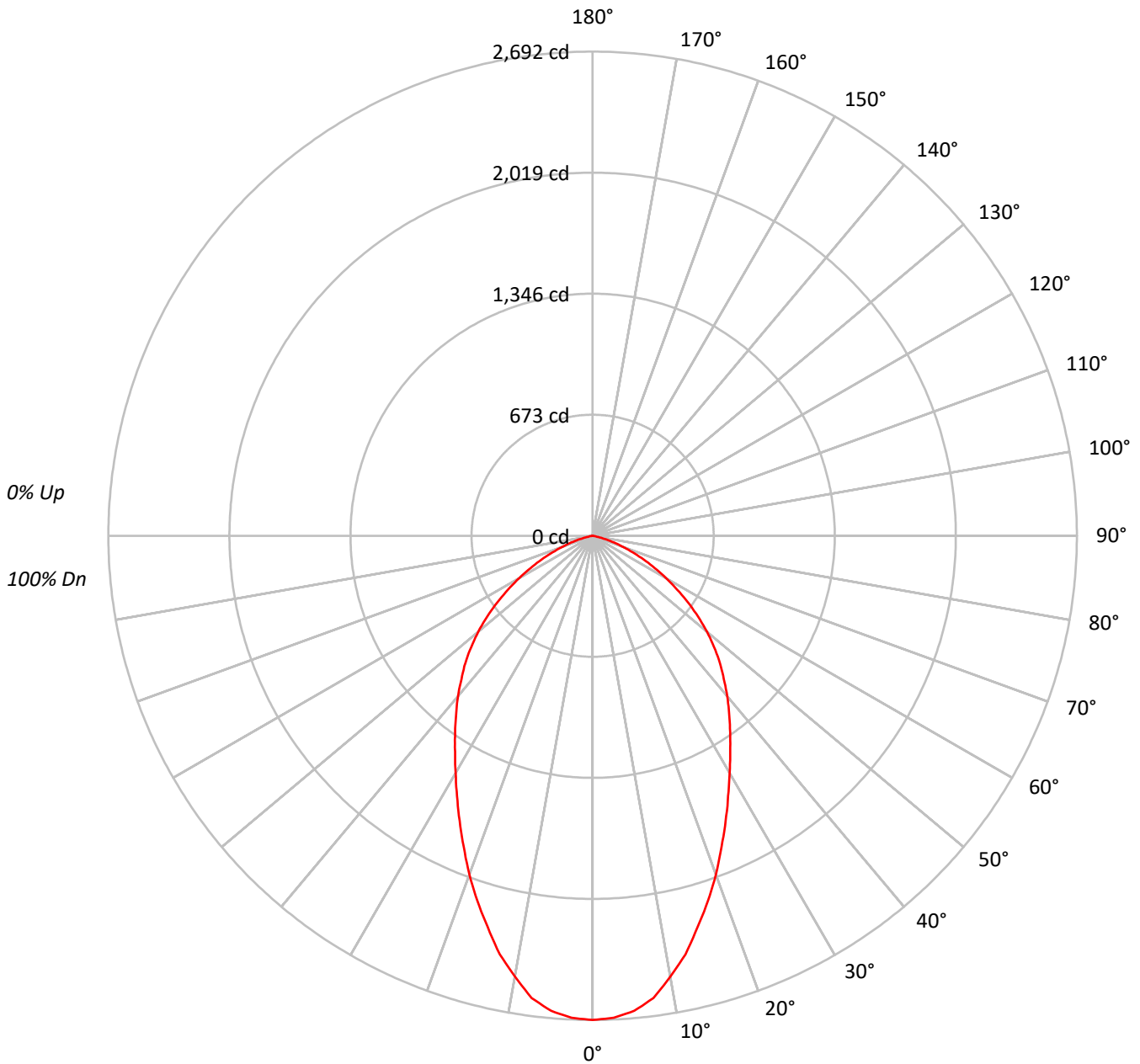
Lumens per Lamp: N/A
Luminaire Lumens: 4266.0 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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°	147576
5°	145900
10°	138502
15°	127833
20°	116863
25°	105817
30°	96395
35°	89175
40°	83349
45°	77644
50°	70735
55°	61943
60°	51673
65°	40562
70°	28322
75°	15356
80°	2873
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.1	5.8
10°-20°	631.5	14.8
20°-30°	805.3	18.9
30°-40°	835.2	19.6
40°-50°	769.5	18.0
50°-60°	578.9	13.6
60°-70°	312.4	7.3
70°-80°	83.8	2.0
80°-90°	1.2	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°	1684.9	39.5
0°-40°	2520.1	59.1
0°-60°	3868.5	90.7
0°-90°	4266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4266.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2692	
5°	2651	248
15°	2252	632
25°	1749	805
35°	1332	835
45°	1002	770
55°	648	579
65°	313	312
75°	72	84
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2692.0
2.5°	2683.0
5°	2651.3
7.5°	2592.3
10°	2488.1
12.5°	2383.9
15°	2252.4
17.5°	2130.1
20°	2003.2
22.5°	1871.8
25°	1749.4
27.5°	1631.6
30°	1522.8
32.5°	1423.1
35°	1332.5
37.5°	1246.3
40°	1164.7
42.5°	1078.7
45°	1001.5
47.5°	915.5
50°	829.4
52.5°	738.8
55°	648.1
57.5°	557.5
60°	471.3
62.5°	389.7
65°	312.7
67.5°	240.2
70°	176.7
72.5°	122.4
75°	72.5
77.5°	31.7
80°	9.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)