

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: P685169

Luminaire Tested: **LX6C70D010 EX6709030 6LBSLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P685169
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: LX6C70D010 EX6709030 6LBSLI
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

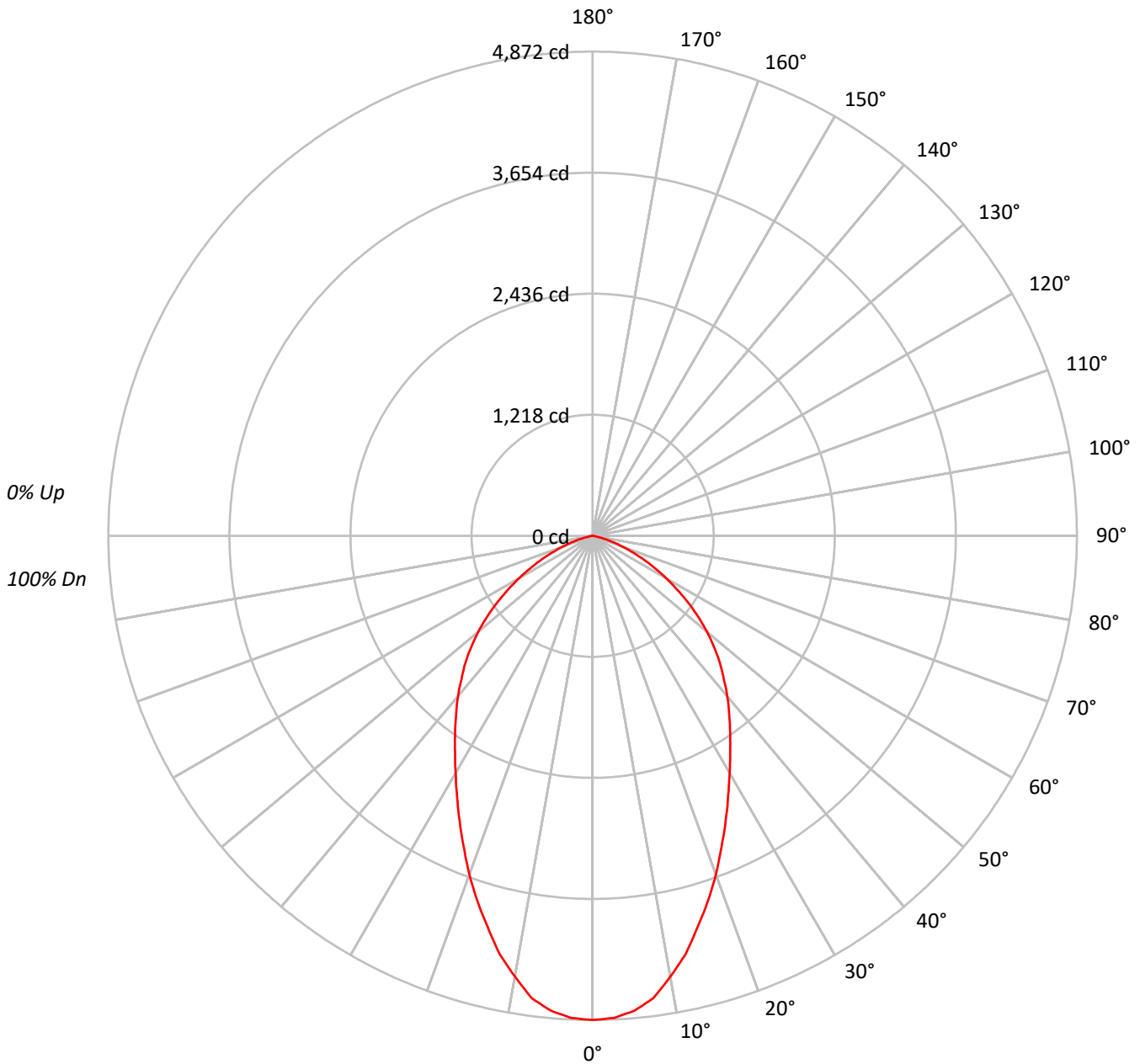
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7721.0 lumens
Efficiency: N/A
Efficacy: 99.0 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): 78
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°	267100
5°	264059
10°	250669
15°	231363
20°	211512
25°	191521
30°	174457
35°	161392
40°	150854
45°	140534
50°	128013
55°	112101
60°	93523
65°	73406
70°	51275
75°	27789
80°	5209
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.0	5.8
10°-20°	1143.0	14.8
20°-30°	1457.6	18.9
30°-40°	1511.5	19.6
40°-50°	1392.8	18.0
50°-60°	1047.7	13.6
60°-70°	565.5	7.3
70°-80°	151.7	2.0
80°-90°	2.2	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°	3049.5	39.5
0°-40°	4561.1	59.1
0°-60°	7001.5	90.7
0°-90°	7721.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7721.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4872	
5°	4798	449
15°	4077	1143
25°	3166	1458
35°	2412	1512
45°	1813	1393
55°	1173	1048
65°	566	566
75°	131	152
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4872.3
2.5°	4856.0
5°	4798.5
7.5°	4691.9
10°	4503.1
12.5°	4314.6
15°	4076.6
17.5°	3855.3
20°	3625.6
22.5°	3387.8
25°	3166.3
27.5°	2953.0
30°	2756.0
32.5°	2575.6
35°	2411.6
37.5°	2255.7
40°	2108.0
42.5°	1952.3
45°	1812.7
47.5°	1657.0
50°	1501.0
52.5°	1337.1
55°	1172.9
57.5°	1008.9
60°	853.0
62.5°	705.4
65°	565.9
67.5°	434.8
70°	319.9
72.5°	221.5
75°	131.2
77.5°	57.3
80°	16.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)