

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: P685164

Luminaire Tested: **LX6C70D010 EX6709027 6LBSLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P685164
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 EX6709027 6LBSLI
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

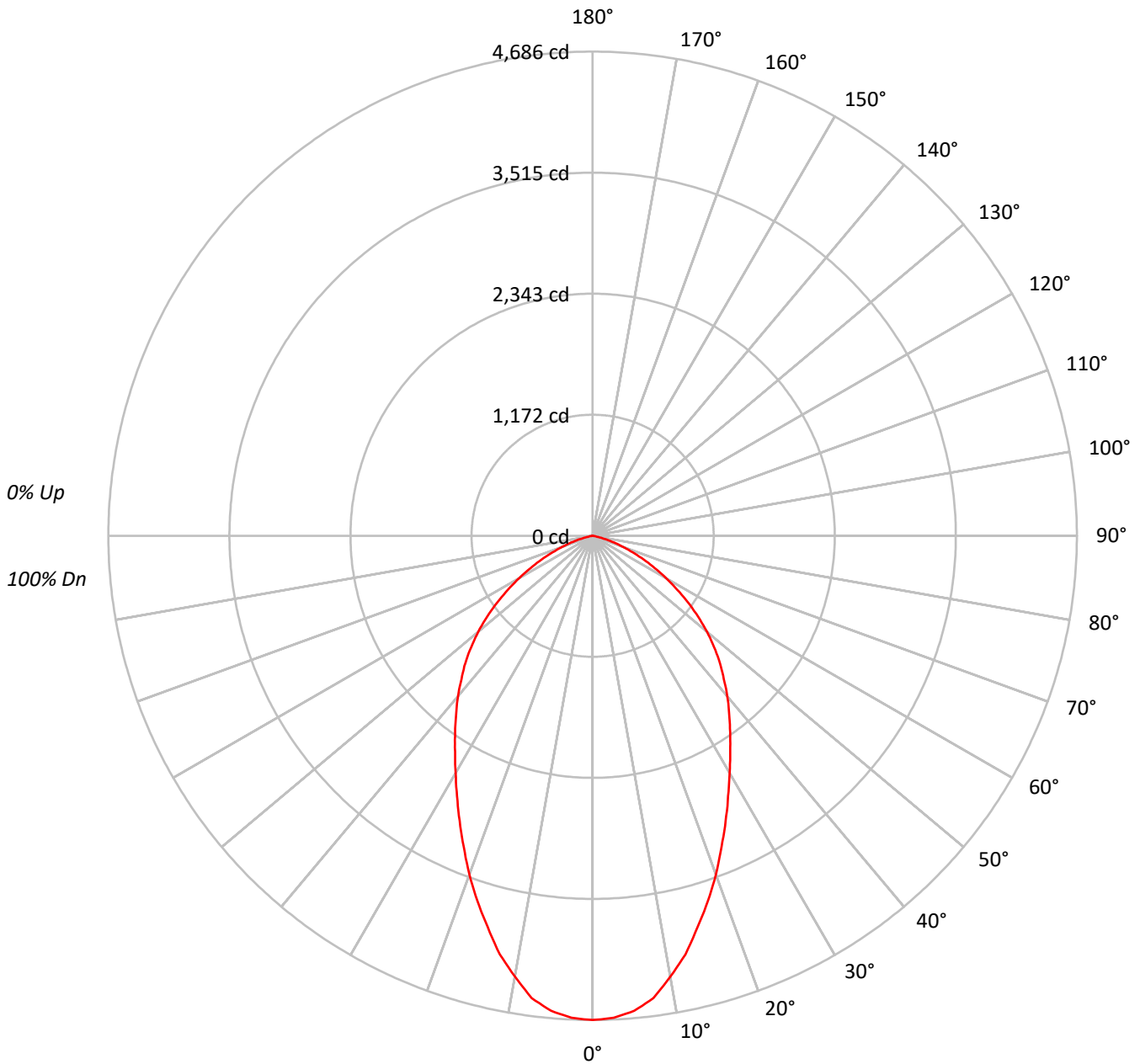
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7426.0 lumens
Efficiency: N/A
Efficacy: 95.2 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): 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°	256898
5°	253967
10°	241094
15°	222527
20°	203426
25°	184202
30°	167792
35°	155228
40°	145093
45°	135161
50°	123126
55°	107819
60°	89949
65°	70604
70°	49319
75°	26730
80°	5020
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	431.8	5.8
10°-20°	1099.3	14.8
20°-30°	1401.9	18.9
30°-40°	1453.8	19.6
40°-50°	1339.6	18.0
50°-60°	1007.6	13.6
60°-70°	543.9	7.3
70°-80°	145.9	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°	2933.0	39.5
0°-40°	4386.8	59.1
0°-60°	6734.1	90.7
0°-90°	7426.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7426.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4686	
5°	4615	432
15°	3921	1099
25°	3045	1402
35°	2320	1454
45°	1743	1340
55°	1128	1008
65°	544	544
75°	126	146
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4686.2
2.5°	4670.5
5°	4615.1
7.5°	4512.6
10°	4331.1
12.5°	4149.8
15°	3920.9
17.5°	3708.0
20°	3487.0
22.5°	3258.3
25°	3045.3
27.5°	2840.2
30°	2650.7
32.5°	2477.2
35°	2319.5
37.5°	2169.5
40°	2027.5
42.5°	1877.7
45°	1743.4
47.5°	1593.7
50°	1443.7
52.5°	1286.0
55°	1128.1
57.5°	970.4
60°	820.4
62.5°	678.4
65°	544.3
67.5°	418.1
70°	307.7
72.5°	213.0
75°	126.2
77.5°	55.2
80°	15.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)