

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: P685174

Luminaire Tested: **LX6C70D010 EX6709035 6LBSLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P685174
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 EX6709035 6LBSLI
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

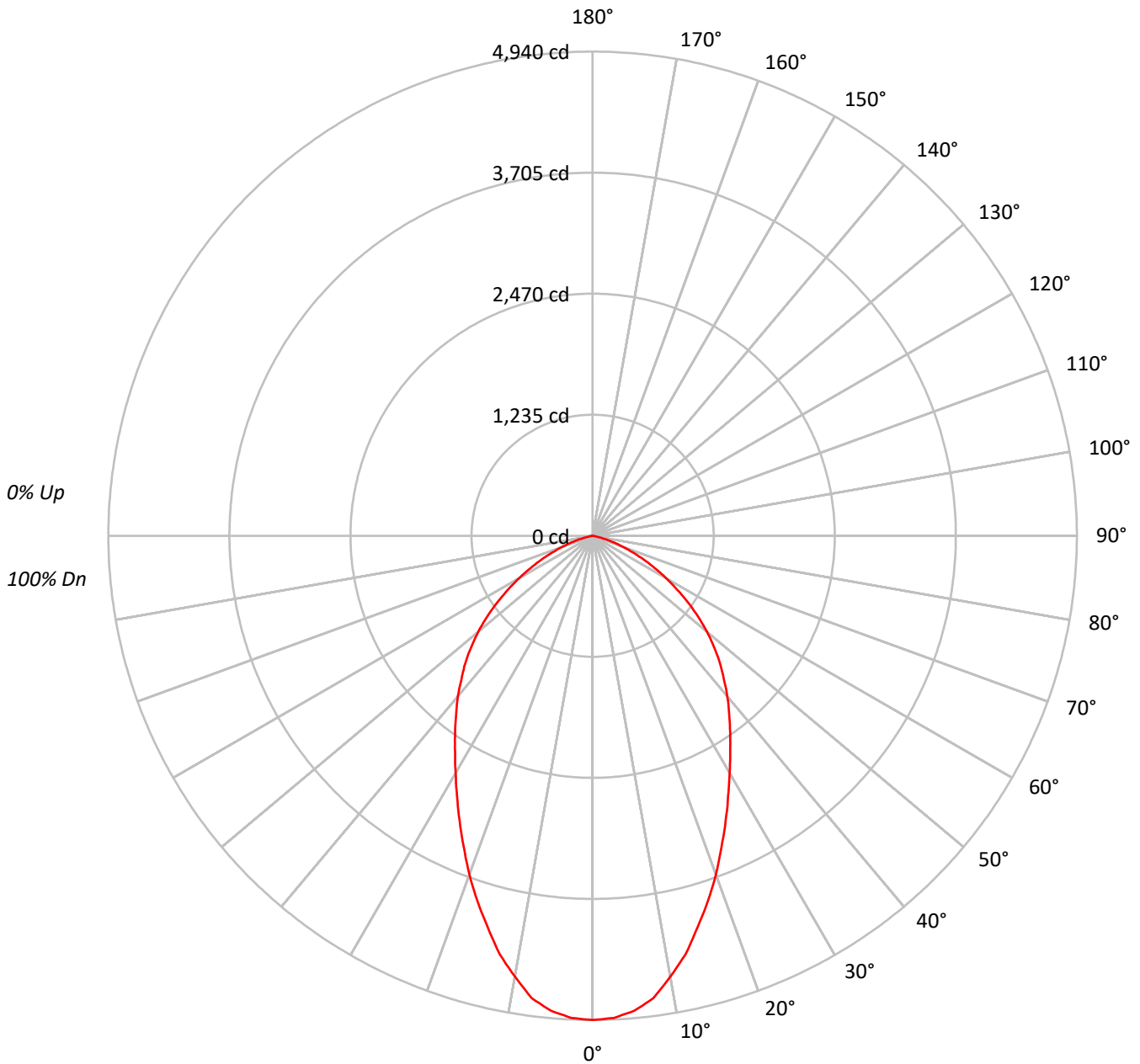
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7828.9 lumens
Efficiency: N/A
Efficacy: 100.4 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									
RC	80									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°	270839
5°	267752
10°	254176
15°	234604
20°	214469
25°	194195
30°	176901
35°	163647
40°	152965
45°	142495
50°	129804
55°	113669
60°	94839
65°	74444
70°	51996
75°	28171
80°	5272
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	455.3	5.8
10°-20°	1159.0	14.8
20°-30°	1477.9	18.9
30°-40°	1532.7	19.6
40°-50°	1412.2	18.0
50°-60°	1062.3	13.6
60°-70°	573.4	7.3
70°-80°	153.8	2.0
80°-90°	2.3	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°	3092.2	39.5
0°-40°	4624.9	59.1
0°-60°	7099.5	90.7
0°-90°	7828.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7828.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4940	
5°	4866	455
15°	4134	1159
25°	3210	1478
35°	2445	1533
45°	1838	1412
55°	1189	1062
65°	574	573
75°	133	154
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4940.5
2.5°	4923.9
5°	4865.6
7.5°	4757.5
10°	4566.1
12.5°	4375.0
15°	4133.7
17.5°	3909.2
20°	3676.3
22.5°	3435.1
25°	3210.5
27.5°	2994.3
30°	2794.6
32.5°	2611.6
35°	2445.3
37.5°	2287.2
40°	2137.5
42.5°	1979.6
45°	1838.0
47.5°	1680.1
50°	1522.0
52.5°	1355.8
55°	1189.3
57.5°	1023.1
60°	865.0
62.5°	715.2
65°	573.9
67.5°	440.8
70°	324.4
72.5°	224.6
75°	133.0
77.5°	58.1
80°	16.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)