

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: P684553

Luminaire Tested: **LX6C70D010 EX6C709050 6LBSH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684553
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P204188)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C70D010 EX6C709050 6LBSH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

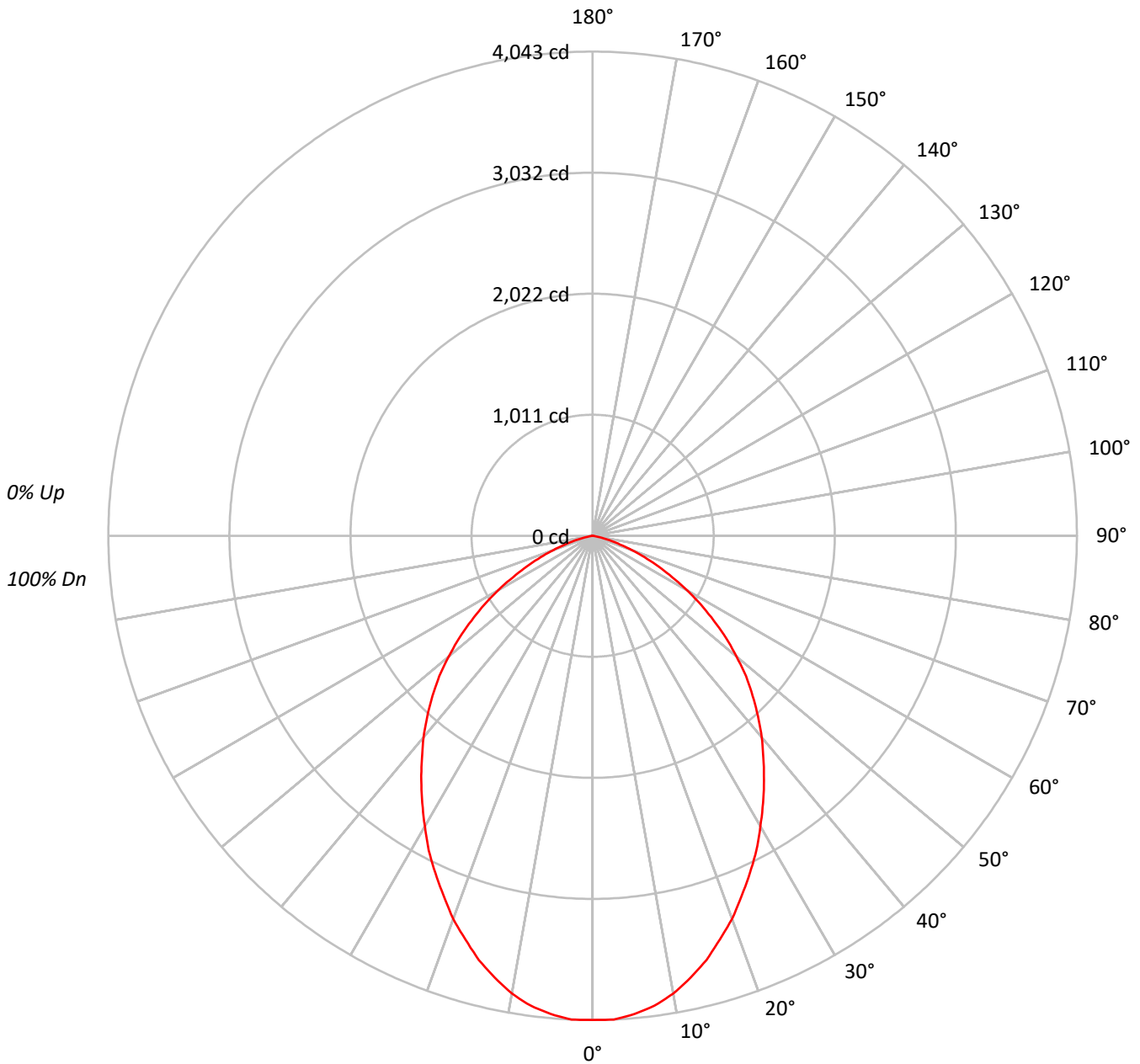
Lumens per Lamp: N/A
Luminaire Lumens: 7731.0 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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	108	105	102	99	101	98	96	97	95	93	93	92	90	88																											
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77																											
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67																											
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58																											
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51																											
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46																											
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41																											
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37																											
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34																											
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	221654
5°	220619
10°	216067
15°	208213
20°	198636
25°	187928
30°	177268
35°	166913
40°	157166
45°	146504
50°	133582
55°	117970
60°	99860
65°	78400
70°	55939
75°	30649
80°	5398
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.7	4.9
10°-20°	1029.4	13.3
20°-30°	1429.5	18.5
30°-40°	1560.0	20.2
40°-50°	1455.2	18.8
50°-60°	1104.6	14.3
60°-70°	604.8	7.8
70°-80°	166.4	2.2
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°	2837.6	36.7
0°-40°	4397.6	56.9
0°-60°	6957.4	90.0
0°-90°	7731.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7731.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4043	
5°	4009	379
15°	3669	1029
25°	3107	1430
35°	2494	1560
45°	1890	1455
55°	1234	1105
65°	604	605
75°	145	166
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4043.3
2.5°	4043.3
5°	4009.1
7.5°	3958.1
10°	3881.5
12.5°	3779.4
15°	3668.7
17.5°	3532.5
20°	3404.9
22.5°	3251.6
25°	3106.9
27.5°	2962.2
30°	2800.4
32.5°	2647.2
35°	2494.1
37.5°	2340.9
40°	2196.2
42.5°	2042.9
45°	1889.7
47.5°	1736.4
50°	1566.3
52.5°	1404.5
55°	1234.3
57.5°	1072.5
60°	910.8
62.5°	749.1
65°	604.4
67.5°	468.1
70°	349.0
72.5°	238.3
75°	144.7
77.5°	68.2
80°	17.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)