

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: P684546

Luminaire Tested: **LX6C70D010 EX6C709040 6LBSH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684546
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 EX6C709040 6LBSH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

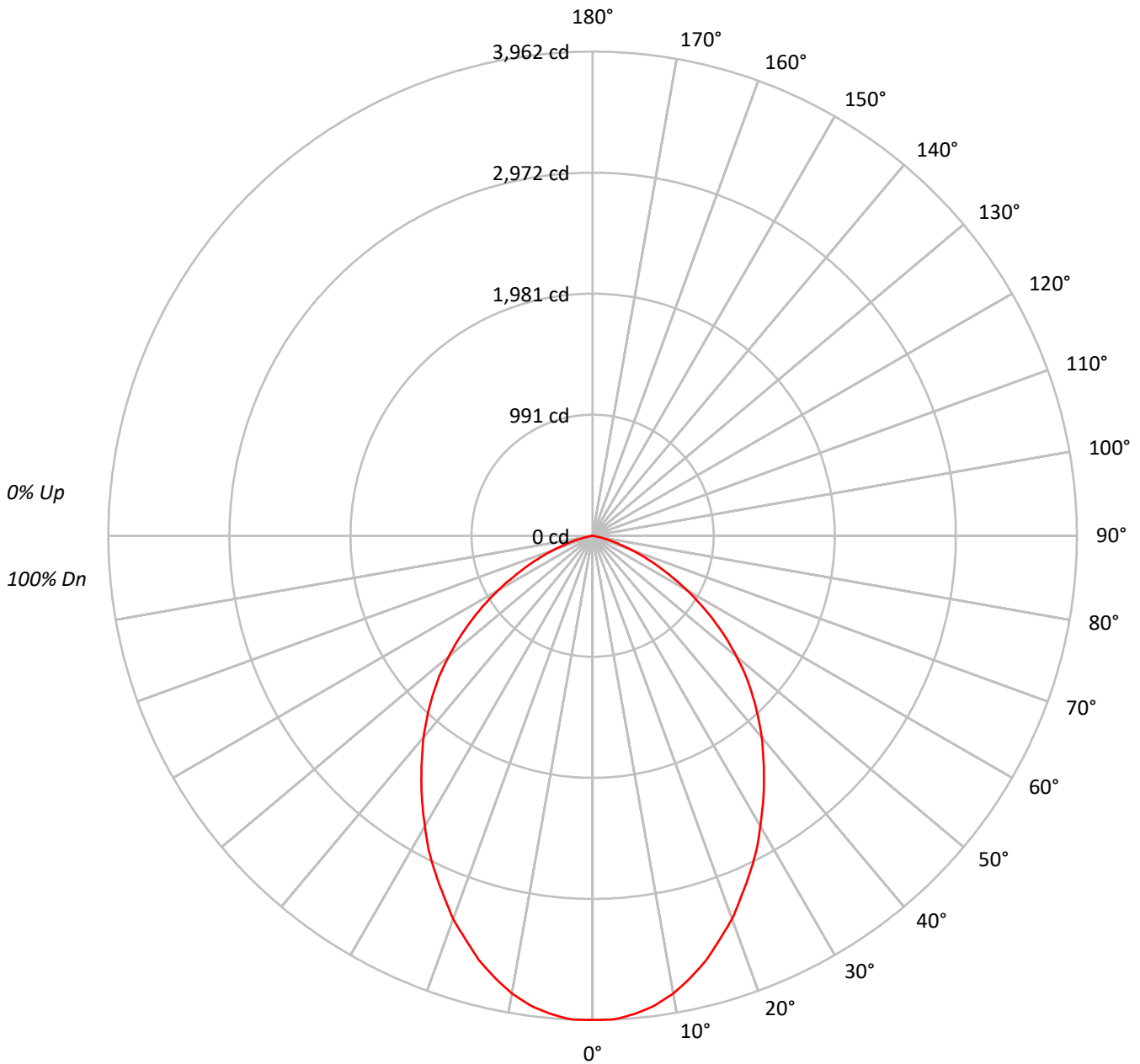
Lumens per Lamp: N/A
Luminaire Lumens: 7575.0 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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	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°	217181
5°	216167
10°	211708
15°	204008
20°	194629
25°	184136
30°	173691
35°	163547
40°	153996
45°	143550
50°	130887
55°	115590
60°	97843
65°	76818
70°	54817
75°	30034
80°	5272
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.1	4.9
10°-20°	1008.6	13.3
20°-30°	1400.7	18.5
30°-40°	1528.5	20.2
40°-50°	1425.9	18.8
50°-60°	1082.3	14.3
60°-70°	592.6	7.8
70°-80°	163.1	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°	2780.4	36.7
0°-40°	4308.9	56.9
0°-60°	6817.1	90.0
0°-90°	7575.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7575.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3962	
5°	3928	371
15°	3595	1009
25°	3044	1401
35°	2444	1529
45°	1852	1426
55°	1209	1082
65°	592	593
75°	142	163
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3961.7
2.5°	3961.7
5°	3928.2
7.5°	3878.2
10°	3803.2
12.5°	3703.1
15°	3594.6
17.5°	3461.2
20°	3336.2
22.5°	3186.0
25°	3044.2
27.5°	2902.5
30°	2743.9
32.5°	2593.8
35°	2443.8
37.5°	2293.6
40°	2151.9
42.5°	2001.7
45°	1851.6
47.5°	1701.4
50°	1534.7
52.5°	1376.2
55°	1209.4
57.5°	1050.9
60°	892.4
62.5°	734.0
65°	592.2
67.5°	458.7
70°	342.0
72.5°	233.5
75°	141.8
77.5°	66.8
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)