

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: P684390

Luminaire Tested: **LX6C50D010 EX6C509040 6LBSH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684390
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: LX6C50D010 EX6C509040 6LBSH
Description: 6 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

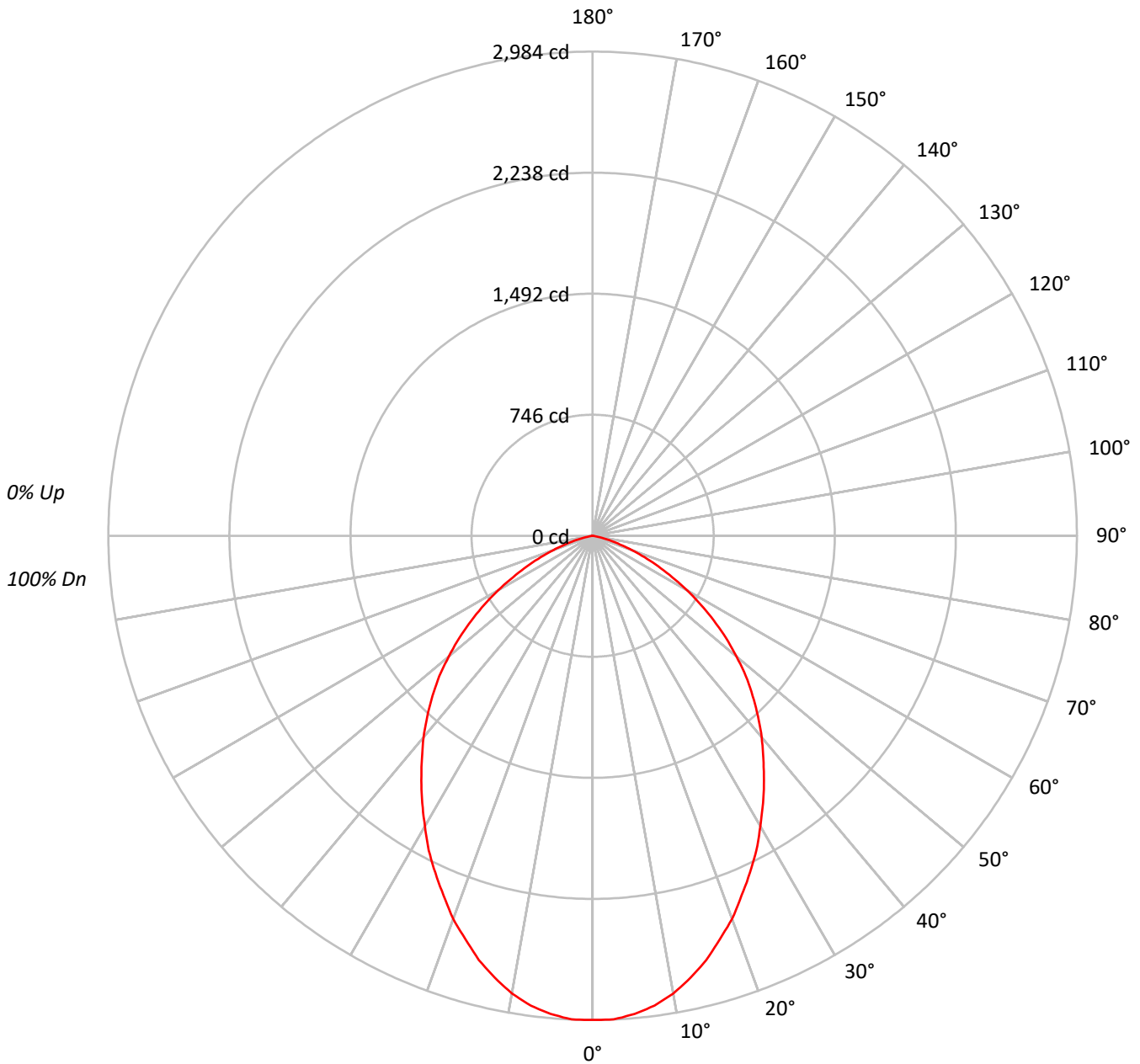
Lumens per Lamp: N/A
Luminaire Lumens: 5705.0 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
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°	163567
5°	162805
10°	159444
15°	153644
20°	146581
25°	138679
30°	130811
35°	123172
40°	115974
45°	108112
50°	98572
55°	87060
60°	73689
65°	57853
70°	41289
75°	22621
80°	3978
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.5	4.9
10°-20°	759.6	13.3
20°-30°	1054.9	18.5
30°-40°	1151.2	20.2
40°-50°	1073.9	18.8
50°-60°	815.1	14.3
60°-70°	446.3	7.8
70°-80°	122.8	2.2
80°-90°	1.7	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°	2094.0	36.7
0°-40°	3245.2	56.9
0°-60°	5134.1	90.0
0°-90°	5705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5705.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2984	
5°	2958	279
15°	2707	760
25°	2293	1055
35°	1840	1151
45°	1394	1074
55°	911	815
65°	446	446
75°	107	123
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2983.7
2.5°	2983.7
5°	2958.5
7.5°	2920.8
10°	2864.3
12.5°	2788.9
15°	2707.2
17.5°	2606.8
20°	2512.6
22.5°	2399.5
25°	2292.7
27.5°	2185.9
30°	2066.5
32.5°	1953.5
35°	1840.5
37.5°	1727.4
40°	1620.6
42.5°	1507.6
45°	1394.5
47.5°	1281.4
50°	1155.8
52.5°	1036.4
55°	910.9
57.5°	791.5
60°	672.1
62.5°	552.8
65°	446.0
67.5°	345.4
70°	257.6
72.5°	175.9
75°	106.8
77.5°	50.3
80°	12.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)