

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: P684397

Luminaire Tested: **LX6C50D010 EX6C509050 6LBSH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684397
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 EX6C509050 6LBSH
Description: 6 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

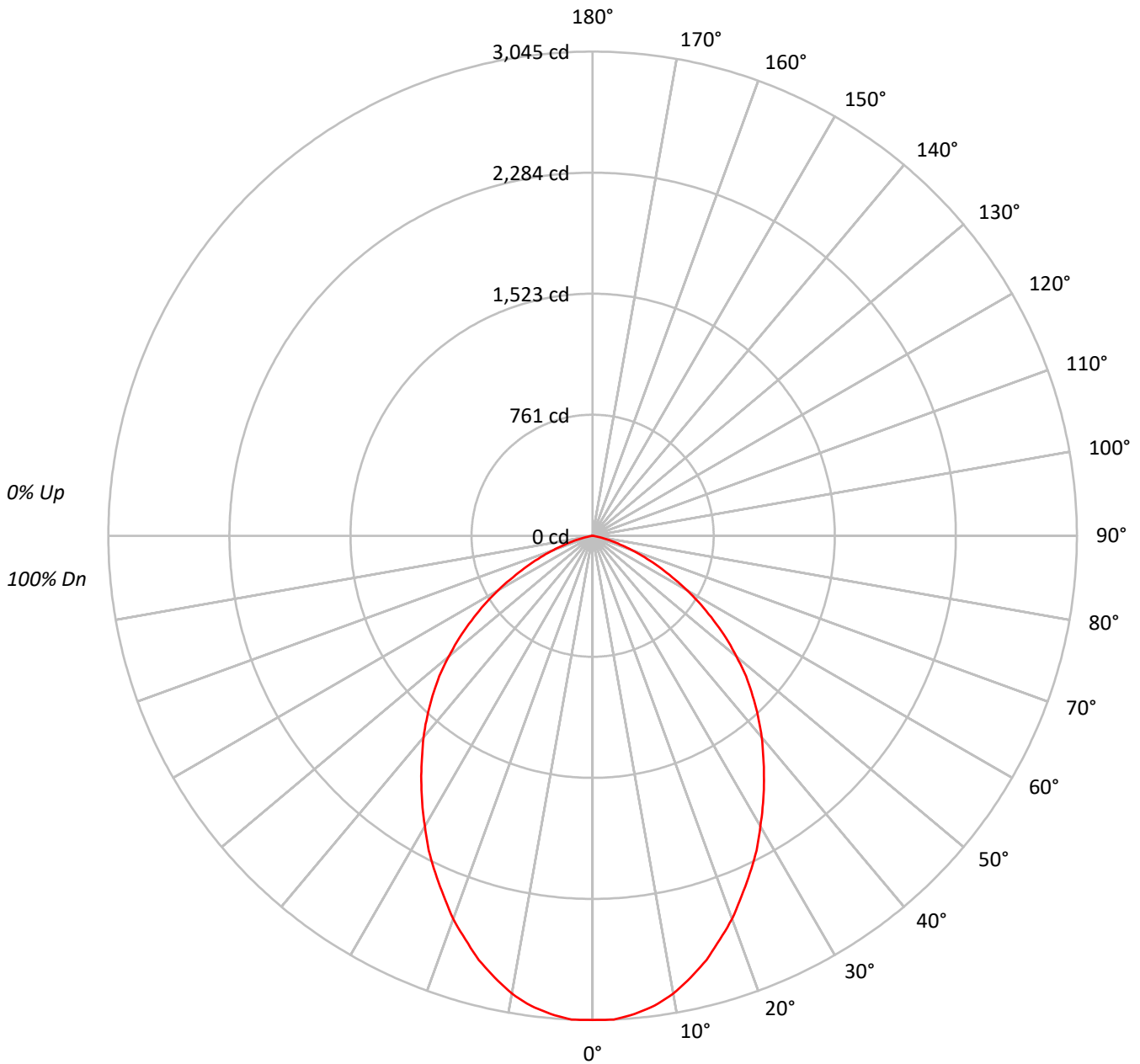
Lumens per Lamp: N/A
Luminaire Lumens: 5823.0 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	166949
5°	166173
10°	162745
15°	156823
20°	149615
25°	141546
30°	133521
35°	125722
40°	118379
45°	110345
50°	100611
55°	88857
60°	75213
65°	59059
70°	42139
75°	23087
80°	4072
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.3	4.9
10°-20°	775.3	13.3
20°-30°	1076.7	18.5
30°-40°	1175.0	20.2
40°-50°	1096.1	18.8
50°-60°	832.0	14.3
60°-70°	455.6	7.8
70°-80°	125.4	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°	2137.3	36.7
0°-40°	3312.3	56.9
0°-60°	5240.4	90.0
0°-90°	5823.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5823.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3045	
5°	3020	285
15°	2763	775
25°	2340	1077
35°	1879	1175
45°	1423	1096
55°	930	832
65°	455	456
75°	109	125
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3045.4
2.5°	3045.4
5°	3019.7
7.5°	2981.2
10°	2923.6
12.5°	2846.6
15°	2763.2
17.5°	2660.7
20°	2564.6
22.5°	2449.1
25°	2340.1
27.5°	2231.2
30°	2109.3
32.5°	1993.9
35°	1878.6
37.5°	1763.2
40°	1654.2
42.5°	1538.7
45°	1423.3
47.5°	1307.9
50°	1179.7
52.5°	1057.9
55°	929.7
57.5°	807.8
60°	686.0
62.5°	564.3
65°	455.3
67.5°	352.6
70°	262.9
72.5°	179.5
75°	109.0
77.5°	51.3
80°	12.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)