

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: P563964

Luminaire Tested: **LX6C50D010 EX6C509030 6LBNH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P563964
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C50D010 EX6C509030 6LBNH
Description: 6 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBN TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

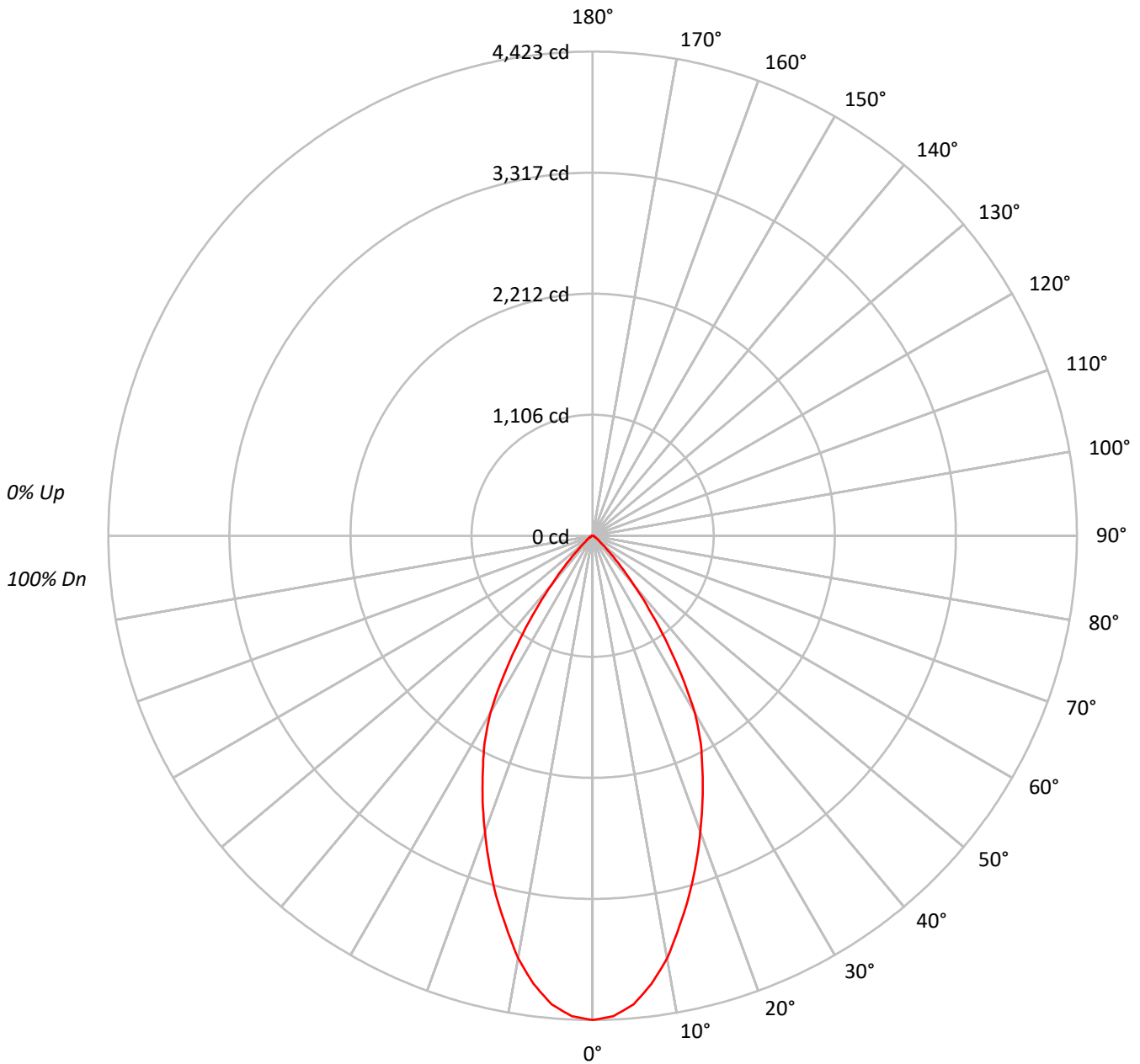
Lumens per Lamp: N/A
Luminaire Lumens: 3450.3 lumens
Efficiency: N/A
Efficacy: 59.1 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54			
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	242470
5°	236468
10°	218193
15°	193179
20°	167729
25°	143464
30°	118278
35°	77892
40°	41871
45°	18537
50°	7514
55°	5429
60°	3443
65°	2465
70°	2020
75°	1334
80°	1989
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.7	11.5
10°-20°	948.5	27.5
20°-30°	1086.6	31.5
30°-40°	730.1	21.2
40°-50°	208.6	6.0
50°-60°	51.1	1.5
60°-70°	19.4	0.6
70°-80°	7.5	0.2
80°-90°	0.9	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°	2432.9	70.5
0°-40°	3162.9	91.7
0°-60°	3422.6	99.2
0°-90°	3450.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3450.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4423	
5°	4297	398
15°	3404	949
25°	2372	1087
35°	1164	730
45°	239	209
55°	57	51
65°	19	19
75°	6	7
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4423.0
2.5°	4391.6
5°	4297.1
7.5°	4127.2
10°	3919.7
12.5°	3655.3
15°	3403.8
17.5°	3139.6
20°	2875.1
22.5°	2623.6
25°	2371.8
27.5°	2139.1
30°	1868.5
32.5°	1509.9
35°	1163.9
37.5°	849.3
40°	585.1
42.5°	383.8
45°	239.1
47.5°	144.6
50°	88.1
52.5°	69.2
55°	56.8
57.5°	44.0
60°	31.4
62.5°	25.1
65°	19.0
67.5°	12.6
70°	12.6
72.5°	6.3
75°	6.3
77.5°	6.3
80°	6.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)