

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: P583017

Luminaire Tested: **LX6C80D010 EU6809050 6LBHYLI**

Issue Date: 8/31/2023

Test Information

Test Method: LM-79-08
Report Number: P583017
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2301-896-1)
Test Lab: INNOVATION CENTER
Issue Date: 8/31/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C80D010 EU6809050 6LBHYLI
Description: 6 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCHYP TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

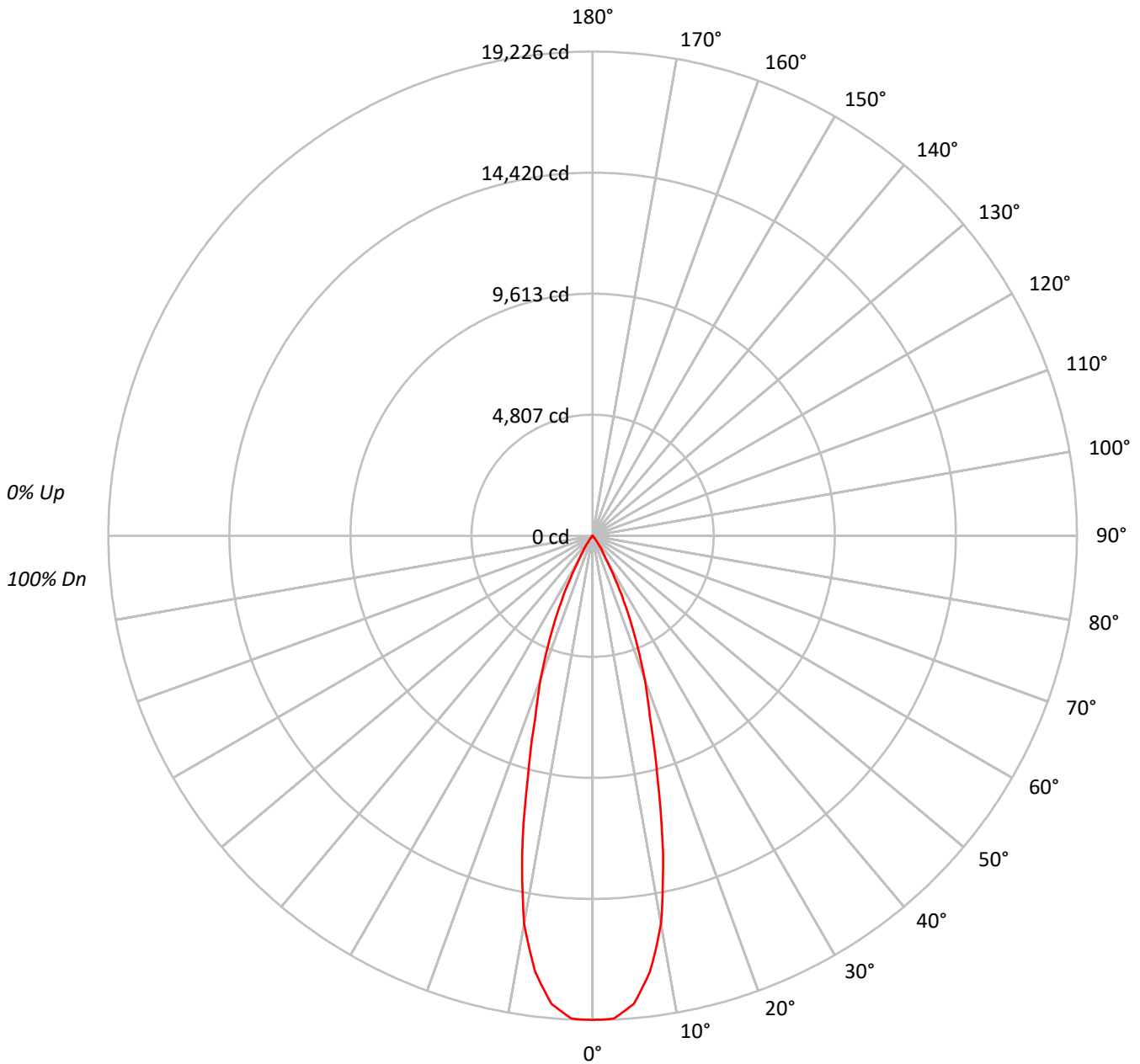
Lumens per Lamp: N/A
Luminaire Lumens: 6215.0 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.52
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 89.5
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92		
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89		
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85		
5	100	94	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82		
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79		
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	76		
8	91	83	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	74		
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	72	71		
10	85	78	74	71	84	78	73	71	77	73	70	76	73	70	76	72	70	69		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1053967
5°	1027353
10°	871009
15°	564549
20°	350596
25°	188702
30°	64858
35°	26120
40°	6985
45°	3117
50°	1220
55°	545
60°	318
65°	376
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1683.9	27.1
10°-20°	2777.3	44.7
20°-30°	1439.9	23.2
30°-40°	272.7	4.4
40°-50°	34.4	0.6
50°-60°	5.1	0.1
60°-70°	1.8	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	5901.1	94.9
0°-40°	6173.8	99.3
0°-60°	6213.2	100.0
0°-90°	6215.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6215.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19226	
5°	18669	###
15°	9947	2777
25°	3120	1440
35°	390	273
45°	40	34
55°	6	5
65°	3	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	19225.9
2.5°	19194.4
5°	18669.1
7.5°	17463.8
10°	15647.1
12.5°	12912.0
15°	9947.3
17.5°	7553.8
20°	6009.7
22.5°	4480.0
25°	3119.7
27.5°	1917.1
30°	1024.6
32.5°	691.7
35°	390.3
37.5°	169.3
40°	97.6
42.5°	63.1
45°	40.2
47.5°	23.0
50°	14.3
52.5°	5.7
55°	5.7
57.5°	2.9
60°	2.9
62.5°	2.9
65°	2.9
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)