

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: P684646

Luminaire Tested: **LX6C80D010 EX6C809030 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684646
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-21)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C80D010 EX6C809030 6LBMDH
Description: 6 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

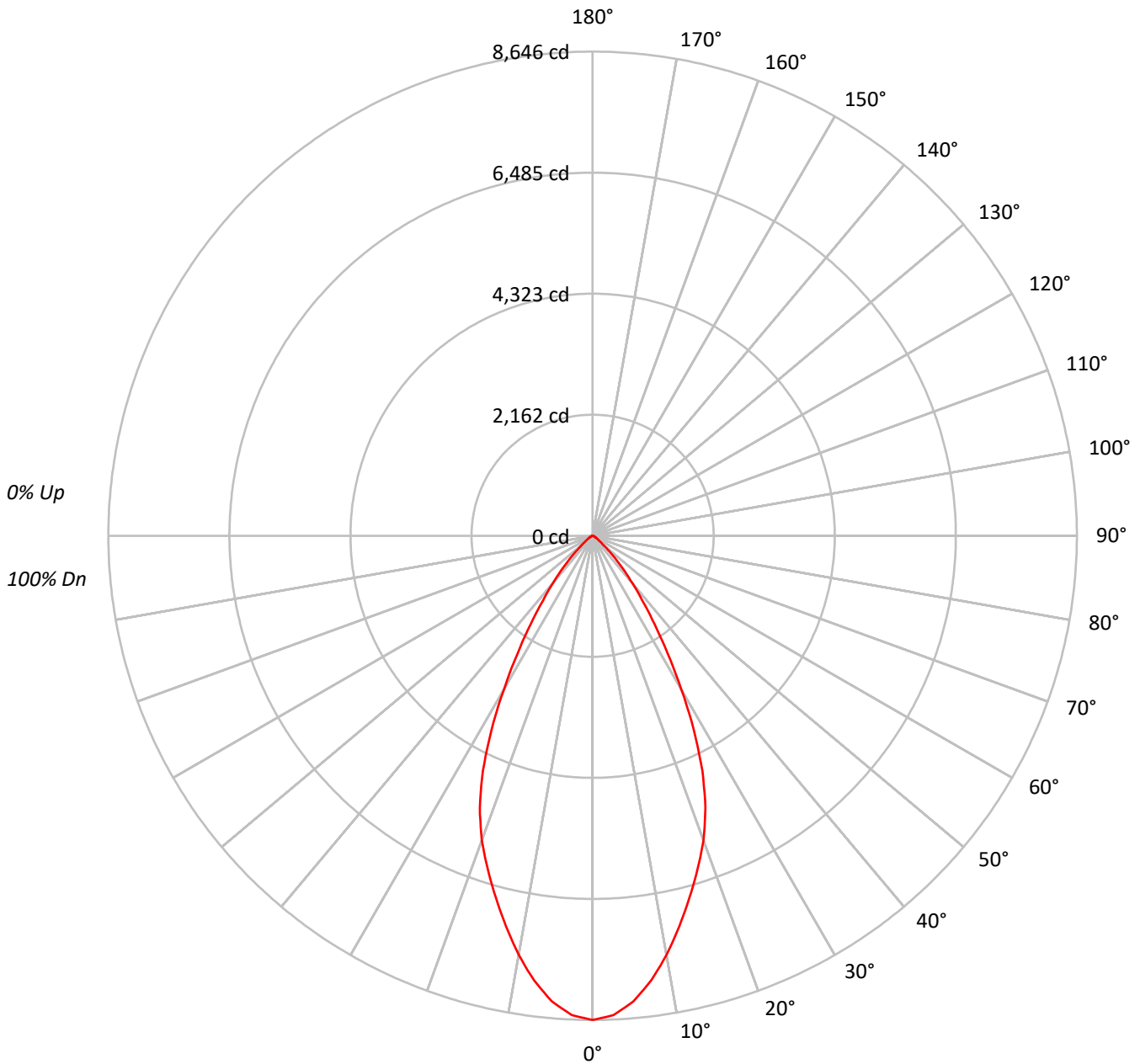
Lumens per Lamp: N/A
Luminaire Lumens: 6577.9 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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	105	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	80	86	82	79	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62			
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54			
10	72	63	57	53	71	62	57	53	62	56	53	61	56	53	60	56	53	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	473964
5°	459299
10°	422932
15°	379344
20°	337523
25°	280292
30°	200252
35°	128720
40°	78440
45°	43601
50°	19317
55°	11192
60°	7368
65°	5228
70°	3687
75°	2838
80°	1831
85°	1195



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	772.6	11.7
10°-20°	1870.0	28.4
20°-30°	2079.6	31.6
30°-40°	1232.3	18.7
40°-50°	451.4	6.9
50°-60°	113.4	1.7
60°-70°	41.4	0.6
70°-80°	14.4	0.2
80°-90°	2.9	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°	4722.2	71.8
0°-40°	5954.5	90.5
0°-60°	6519.3	99.1
0°-90°	6577.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6577.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8646	
5°	8346	773
15°	6684	1870
25°	4634	2080
35°	1923	1232
45°	562	451
55°	117	113
65°	40	41
75°	13	14
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8645.8
2.5°	8569.1
5°	8346.4
7.5°	8008.5
10°	7597.7
12.5°	7144.7
15°	6684.0
17.5°	6236.8
20°	5785.6
22.5°	5261.6
25°	4633.9
27.5°	3912.1
30°	3163.5
32.5°	2493.5
35°	1923.4
37.5°	1460.8
40°	1096.1
42.5°	798.5
45°	562.4
47.5°	357.0
50°	226.5
52.5°	159.3
55°	117.1
57.5°	88.3
60°	67.2
62.5°	51.8
65°	40.3
67.5°	30.7
70°	23.0
72.5°	17.3
75°	13.4
77.5°	9.6
80°	5.8
82.5°	3.8
85°	1.9
87.5°	1.9
90°	0.0



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— 0°-180°







(END OF REPORT)