

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: P684012

Luminaire Tested: **LX6C130D010 EX6C1309040 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684012
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: LX6C130D010 EX6C1309040 6LBMDH
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

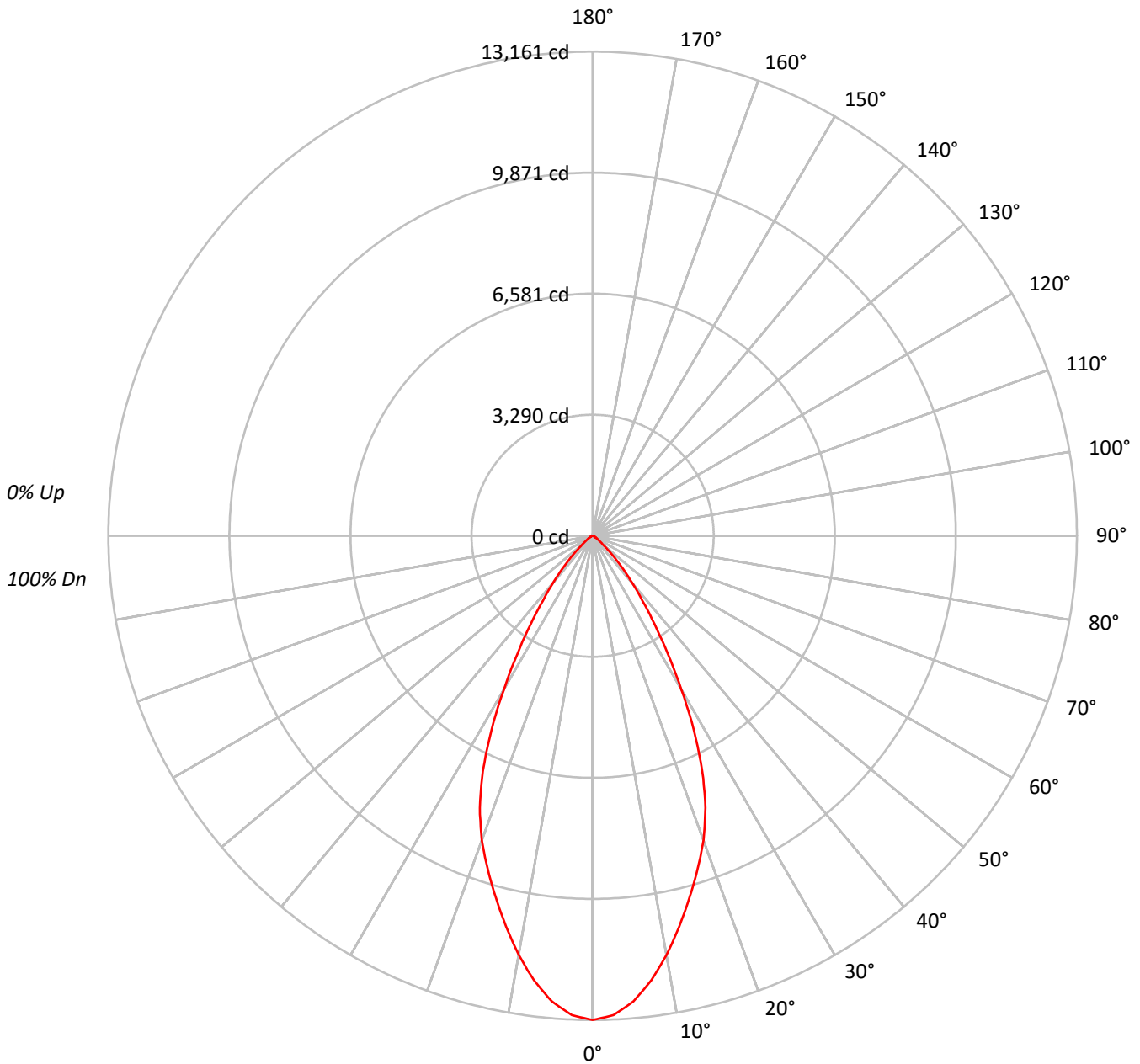
Lumens per Lamp: N/A
Luminaire Lumens: 10013.0 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 144.3
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°	721472
5°	699140
10°	643787
15°	577438
20°	513781
25°	426660
30°	304819
35°	195937
40°	119402
45°	66371
50°	29406
55°	17032
60°	11216
65°	7965
70°	5626
75°	4342
80°	2778
85°	1824



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1176.0	11.7
10°-20°	2846.5	28.4
20°-30°	3165.6	31.6
30°-40°	1875.7	18.7
40°-50°	687.1	6.9
50°-60°	172.6	1.7
60°-70°	63.1	0.6
70°-80°	21.9	0.2
80°-90°	4.4	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°	7188.2	71.8
0°-40°	9063.9	90.5
0°-60°	9923.6	99.1
0°-90°	10013.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10013.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13161	
5°	12705	###
15°	10174	2847
25°	7054	3166
35°	2928	1876
45°	856	687
55°	178	173
65°	61	63
75°	20	22
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13160.7
2.5°	13043.8
5°	12704.8
7.5°	12190.5
10°	11565.2
12.5°	10875.7
15°	10174.4
17.5°	9493.6
20°	8806.9
22.5°	8009.2
25°	7053.7
27.5°	5955.0
30°	4815.4
32.5°	3795.7
35°	2927.8
37.5°	2223.6
40°	1668.5
42.5°	1215.5
45°	856.1
47.5°	543.5
50°	344.8
52.5°	242.5
55°	178.2
57.5°	134.4
60°	102.3
62.5°	78.9
65°	61.4
67.5°	46.8
70°	35.1
72.5°	26.3
75°	20.5
77.5°	14.6
80°	8.8
82.5°	5.8
85°	2.9
87.5°	2.9
90°	0.0



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— 0°-180°







(END OF REPORT)