

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: P683996

Luminaire Tested: **LX6C130D010 EX6C1309030 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P683996
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 EX6C1309030 6LBMDH
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

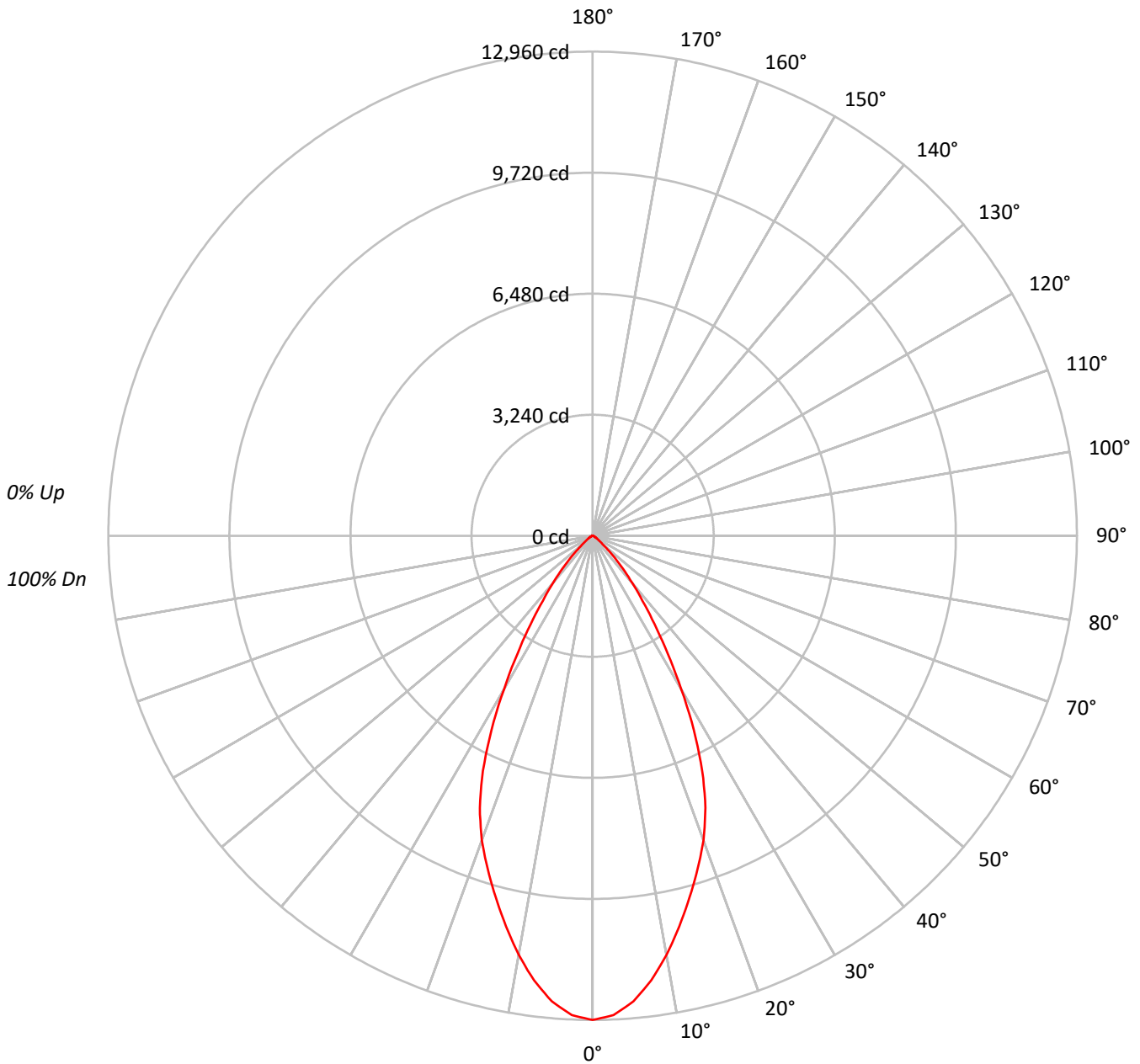
Lumens per Lamp: N/A
Luminaire Lumens: 9860.0 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	710447
5°	688458
10°	633951
15°	568613
20°	505928
25°	420139
30°	300166
35°	192946
40°	117577
45°	65363
50°	28954
55°	16774
60°	11041
65°	7835
70°	5530
75°	4257
80°	2715
85°	1824



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1158.0	11.7
10°-20°	2803.0	28.4
20°-30°	3117.2	31.6
30°-40°	1847.1	18.7
40°-50°	676.6	6.9
50°-60°	170.0	1.7
60°-70°	62.0	0.6
70°-80°	21.6	0.2
80°-90°	4.3	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°	7078.3	71.8
0°-40°	8925.4	90.5
0°-60°	9772.1	99.1
0°-90°	9860.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9860.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12960	
5°	12511	###
15°	10019	2803
25°	6946	3117
35°	2883	1847
45°	843	677
55°	176	170
65°	60	62
75°	20	22
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12959.6
2.5°	12844.5
5°	12510.7
7.5°	12004.3
10°	11388.5
12.5°	10709.5
15°	10018.9
17.5°	9348.5
20°	8672.3
22.5°	7886.8
25°	6945.9
27.5°	5864.0
30°	4741.9
32.5°	3737.7
35°	2883.1
37.5°	2189.7
40°	1643.0
42.5°	1197.0
45°	843.1
47.5°	535.2
50°	339.5
52.5°	238.8
55°	175.5
57.5°	132.4
60°	100.7
62.5°	77.7
65°	60.4
67.5°	46.0
70°	34.5
72.5°	25.9
75°	20.1
77.5°	14.4
80°	8.6
82.5°	5.8
85°	2.9
87.5°	2.9
90°	0.0



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— 0°-180°







(END OF REPORT)