

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: P684022

Luminaire Tested: **LX6C130D010 EX6C1309050 6LBNH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684022
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: LX6C130D010 EX6C1309050 6LBNH
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBN TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

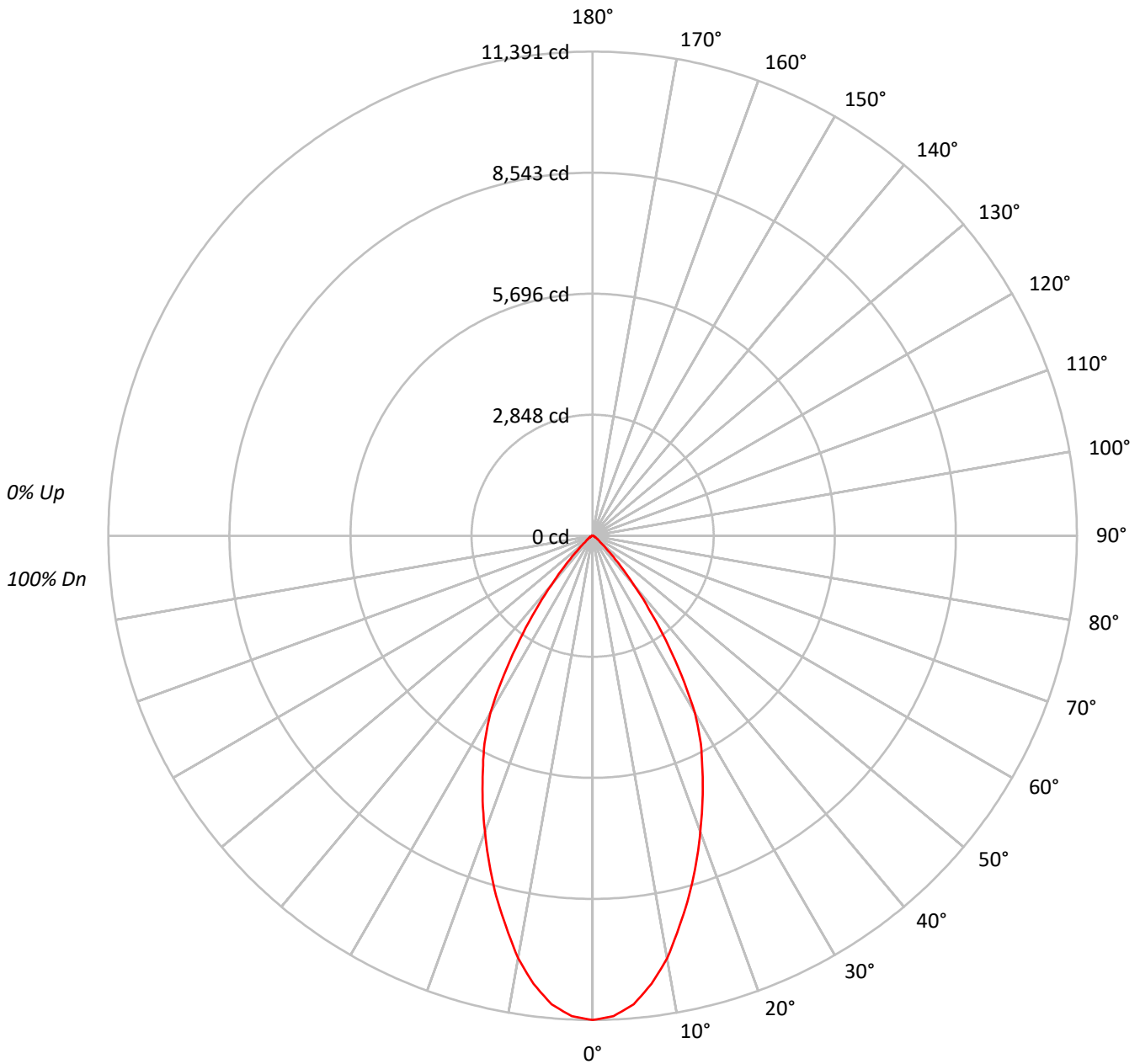
Lumens per Lamp: N/A
Luminaire Lumens: 8886.0 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P684022

CATALOG NUMBER: LX6C130D010 EX6C1309050 6LBNH

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°	624457
5°	609001
10°	561936
15°	497506
20°	431973
25°	369481
30°	304616
35°	200602
40°	107838
45°	47741
50°	19360
55°	13964
60°	8870
65°	6343
70°	5225
75°	3452
80°	5146
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1024.3	11.5
10°-20°	2442.8	27.5
20°-30°	2798.4	31.5
30°-40°	1880.2	21.2
40°-50°	537.2	6.0
50°-60°	131.5	1.5
60°-70°	50.0	0.6
70°-80°	19.4	0.2
80°-90°	2.2	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°	6265.6	70.5
0°-40°	8145.8	91.7
0°-60°	8814.5	99.2
0°-90°	8886.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8886.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11391	
5°	11067	###
15°	8766	2443
25°	6108	2798
35°	2998	1880
45°	616	537
55°	146	132
65°	49	50
75°	16	19
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11391.0
2.5°	11310.1
5°	11066.8
7.5°	10629.1
10°	10094.8
12.5°	9413.8
15°	8766.0
17.5°	8085.6
20°	7404.6
22.5°	6756.8
25°	6108.4
27.5°	5508.9
30°	4812.2
32.5°	3888.6
35°	2997.5
37.5°	2187.3
40°	1506.9
42.5°	988.3
45°	615.8
47.5°	372.5
50°	227.0
52.5°	178.1
55°	146.1
57.5°	113.5
60°	80.9
62.5°	64.6
65°	48.9
67.5°	32.6
70°	32.6
72.5°	16.3
75°	16.3
77.5°	16.3
80°	16.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)