

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: P683993

Luminaire Tested: **LX6C130D010 EX6C1309027 6LBWH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P683993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P202739)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C130D010 EX6C1309027 6LBWH
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

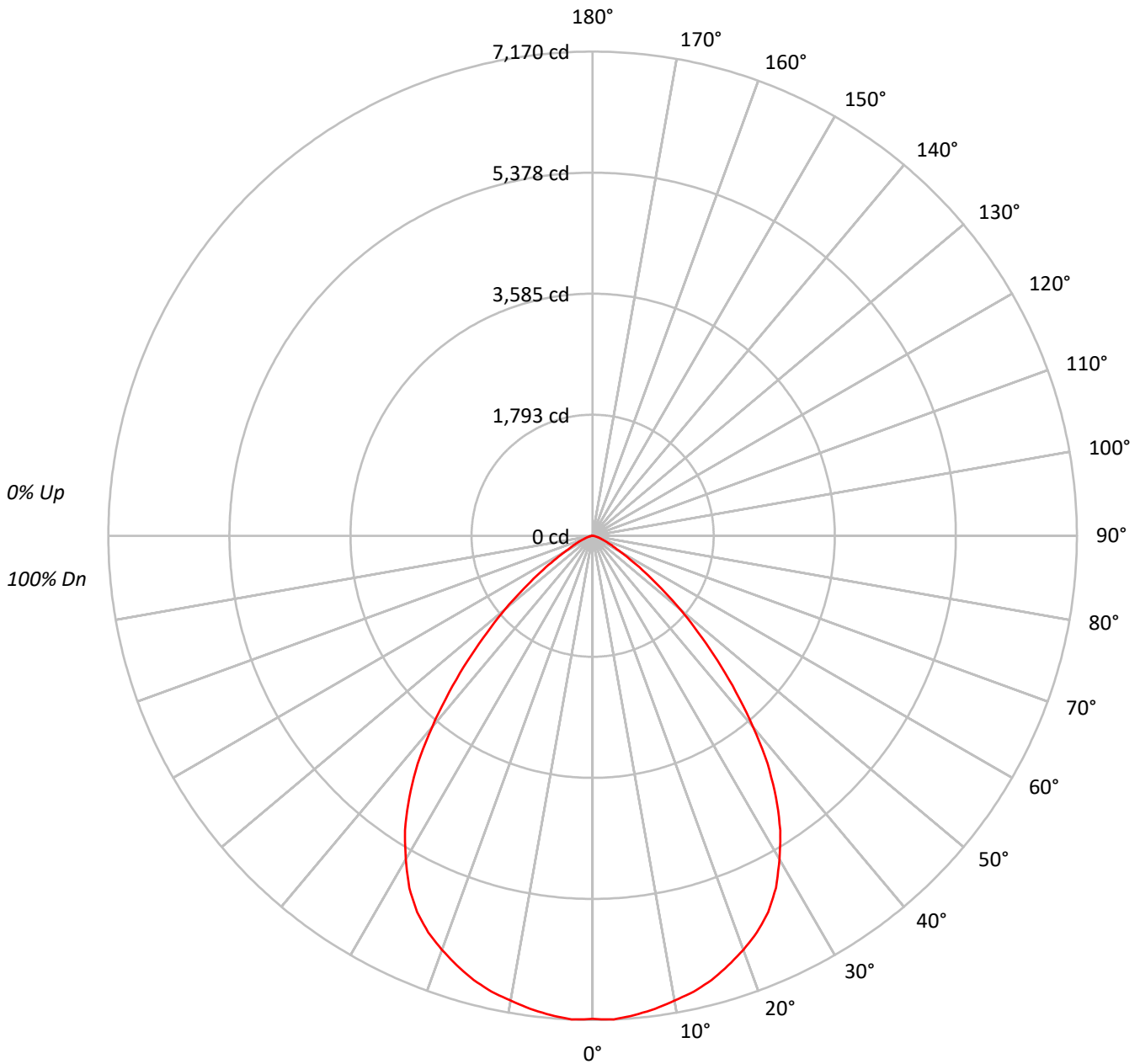
Lumens per Lamp: N/A
Luminaire Lumens: 11601.0 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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																	
RC	80									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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91																											
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81																											
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73																											
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65																											
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59																											
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53																											
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49																											
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44																											
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41																											
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	392244
5°	392108
10°	389088
15°	386483
20°	380594
25°	371901
30°	350168
35°	316901
40°	264624
45°	202765
50°	143603
55°	90539
60°	51070
65°	33155
70°	21654
75°	15907
80°	9566
85°	9498



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	675.8	5.8
10°-20°	1917.6	16.5
20°-30°	2811.7	24.2
30°-40°	2926.2	25.2
40°-50°	2024.5	17.5
50°-60°	881.5	7.6
60°-70°	270.3	2.3
70°-80°	81.1	0.7
80°-90°	12.3	0.1
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°	5405.1	46.6
0°-40°	8331.3	71.8
0°-60°	11237.3	96.9
0°-90°	11601.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11601.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7155	
5°	7125	676
15°	6810	1918
25°	6148	2812
35°	4735	2926
45°	2615	2025
55°	947	881
65°	256	270
75°	75	81
85°	15	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7155.1
2.5°	7170.2
5°	7125.4
7.5°	7065.4
10°	6989.7
12.5°	6914.6
15°	6809.8
17.5°	6674.1
20°	6523.9
22.5°	6358.6
25°	6148.4
27.5°	5877.6
30°	5531.8
32.5°	5170.8
35°	4735.3
37.5°	4254.4
40°	3697.8
42.5°	3141.7
45°	2615.4
47.5°	2119.3
50°	1683.8
52.5°	1278.0
55°	947.3
57.5°	676.5
60°	465.8
62.5°	345.8
65°	255.6
67.5°	195.6
70°	135.1
72.5°	105.4
75°	75.1
77.5°	44.9
80°	30.3
82.5°	15.1
85°	15.1
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)