

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: P683896

Luminaire Tested: **LX6C100D010 EX6C1009035 6LBWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P683896
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: LX6C100D010 EX6C1009035 6LBWH
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

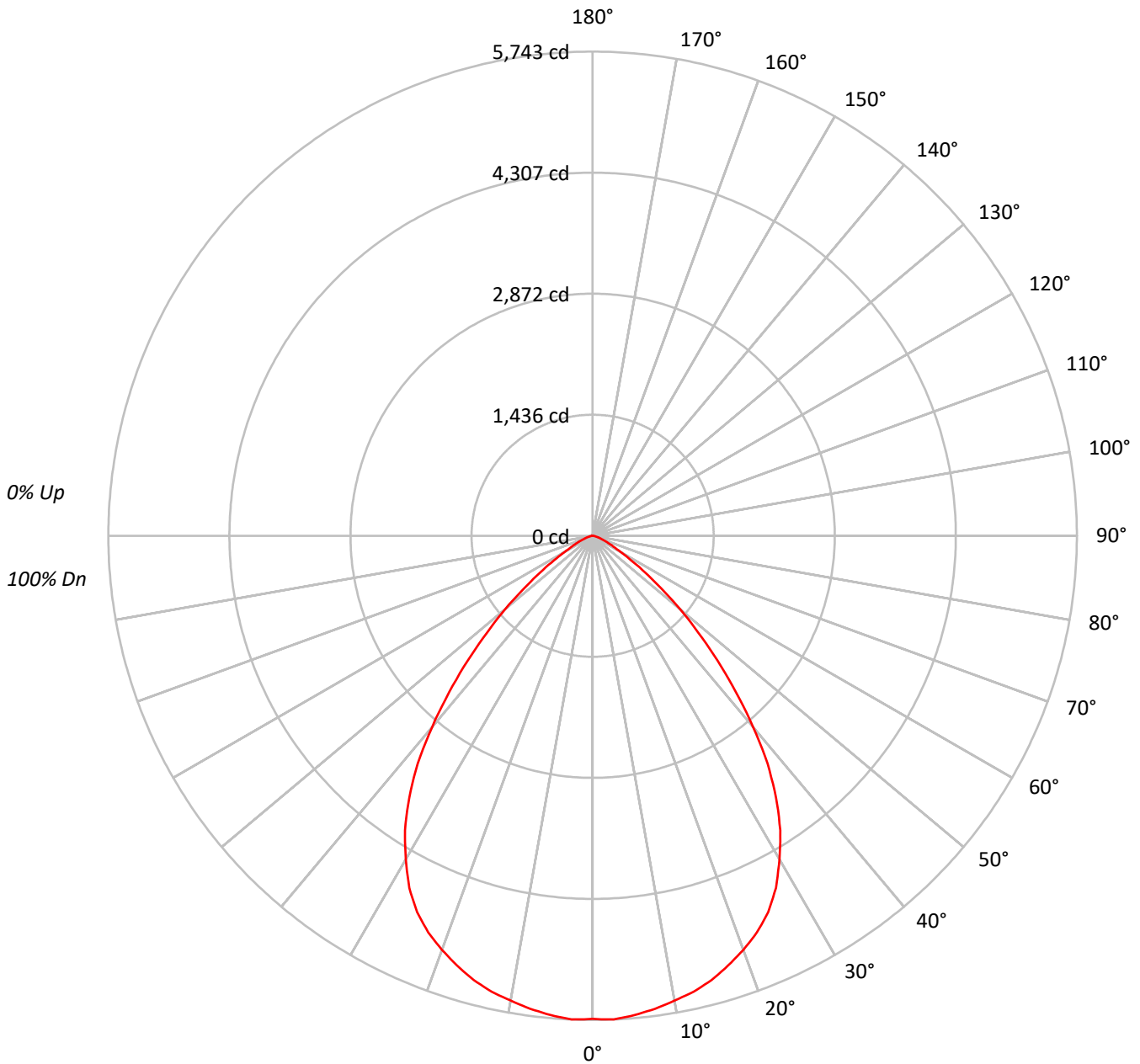
Lumens per Lamp: N/A
Luminaire Lumens: 9292.0 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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			100
1	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91			91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73			73
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			65
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59			59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			53
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41			41
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	314174
5°	314065
10°	311645
15°	309559
20°	304842
25°	297876
30°	280474
35°	253826
40°	211954
45°	162404
50°	115024
55°	72514
60°	40907
65°	26553
70°	17343
75°	12751
80°	7640
85°	7611



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.3	5.8
10°-20°	1535.9	16.5
20°-30°	2252.0	24.2
30°-40°	2343.8	25.2
40°-50°	1621.6	17.5
50°-60°	706.0	7.6
60°-70°	216.5	2.3
70°-80°	64.9	0.7
80°-90°	9.9	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°	4329.3	46.6
0°-40°	6673.1	71.8
0°-60°	9000.7	96.9
0°-90°	9292.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9292.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5731	
5°	5707	541
15°	5454	1536
25°	4925	2252
35°	3793	2344
45°	2095	1622
55°	759	706
65°	205	217
75°	60	65
85°	12	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5731.0
2.5°	5743.1
5°	5707.2
7.5°	5659.1
10°	5598.5
12.5°	5538.4
15°	5454.4
17.5°	5345.8
20°	5225.4
22.5°	5093.0
25°	4924.6
27.5°	4707.8
30°	4430.8
32.5°	4141.7
35°	3792.8
37.5°	3407.6
40°	2961.8
42.5°	2516.4
45°	2094.8
47.5°	1697.5
50°	1348.7
52.5°	1023.6
55°	758.7
57.5°	541.9
60°	373.1
62.5°	277.0
65°	204.7
67.5°	156.7
70°	108.2
72.5°	84.4
75°	60.2
77.5°	35.9
80°	24.2
82.5°	12.1
85°	12.1
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)