

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: P683989

Luminaire Tested: **LX6C130D010 EX6C1309027 6LBMH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P683989
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C130D010 EX6C1309027 6LBMH
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

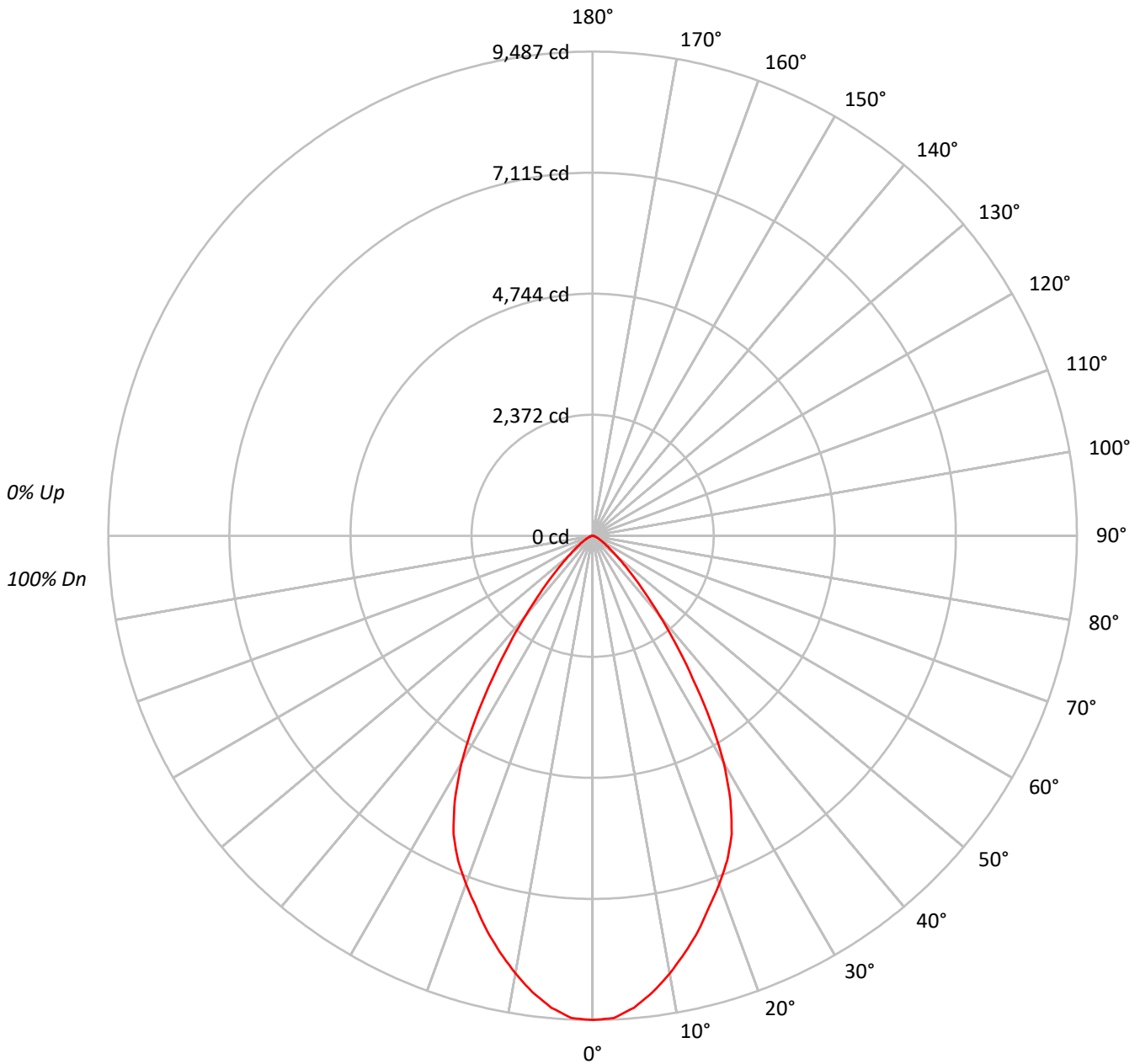
Lumens per Lamp: N/A
Luminaire Lumens: 9586.0 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92				92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85				85
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78				78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72				72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66				66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61				61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57				57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53				53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49				49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46				46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	520068
5°	510757
10°	484660
15°	454486
20°	423263
25°	389998
30°	324955
35°	229031
40°	145966
45°	87048
50°	51384
55°	32687
60°	22509
65°	15981
70°	10995
75°	8705
80°	4262
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	867.4	9.0
10°-20°	2244.0	23.4
20°-30°	2907.6	30.3
30°-40°	2158.6	22.5
40°-50°	911.3	9.5
50°-60°	323.5	3.4
60°-70°	124.9	1.3
70°-80°	43.3	0.5
80°-90°	5.5	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°	6018.9	62.8
0°-40°	8177.5	85.3
0°-60°	9412.4	98.2
0°-90°	9586.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9586.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9487	
5°	9282	867
15°	8008	2244
25°	6448	2908
35°	3422	2159
45°	1123	911
55°	342	324
65°	123	125
75°	41	43
85°	0	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9486.8
2.5°	9459.3
5°	9281.5
7.5°	9021.1
10°	8706.6
12.5°	8364.1
15°	8008.0
17.5°	7611.4
20°	7255.3
22.5°	6885.8
25°	6447.6
27.5°	5845.1
30°	5133.5
32.5°	4298.2
35°	3422.3
37.5°	2683.2
40°	2039.7
42.5°	1519.4
45°	1122.8
47.5°	821.3
50°	602.5
52.5°	451.7
55°	342.0
57.5°	259.9
60°	205.3
62.5°	150.7
65°	123.2
67.5°	95.6
70°	68.6
72.5°	54.6
75°	41.1
77.5°	27.6
80°	13.5
82.5°	13.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)