

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: P684013

Luminaire Tested: **LX6C130D010 EX6C1309040 6LBMH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684013
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 EX6C1309040 6LBMH
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

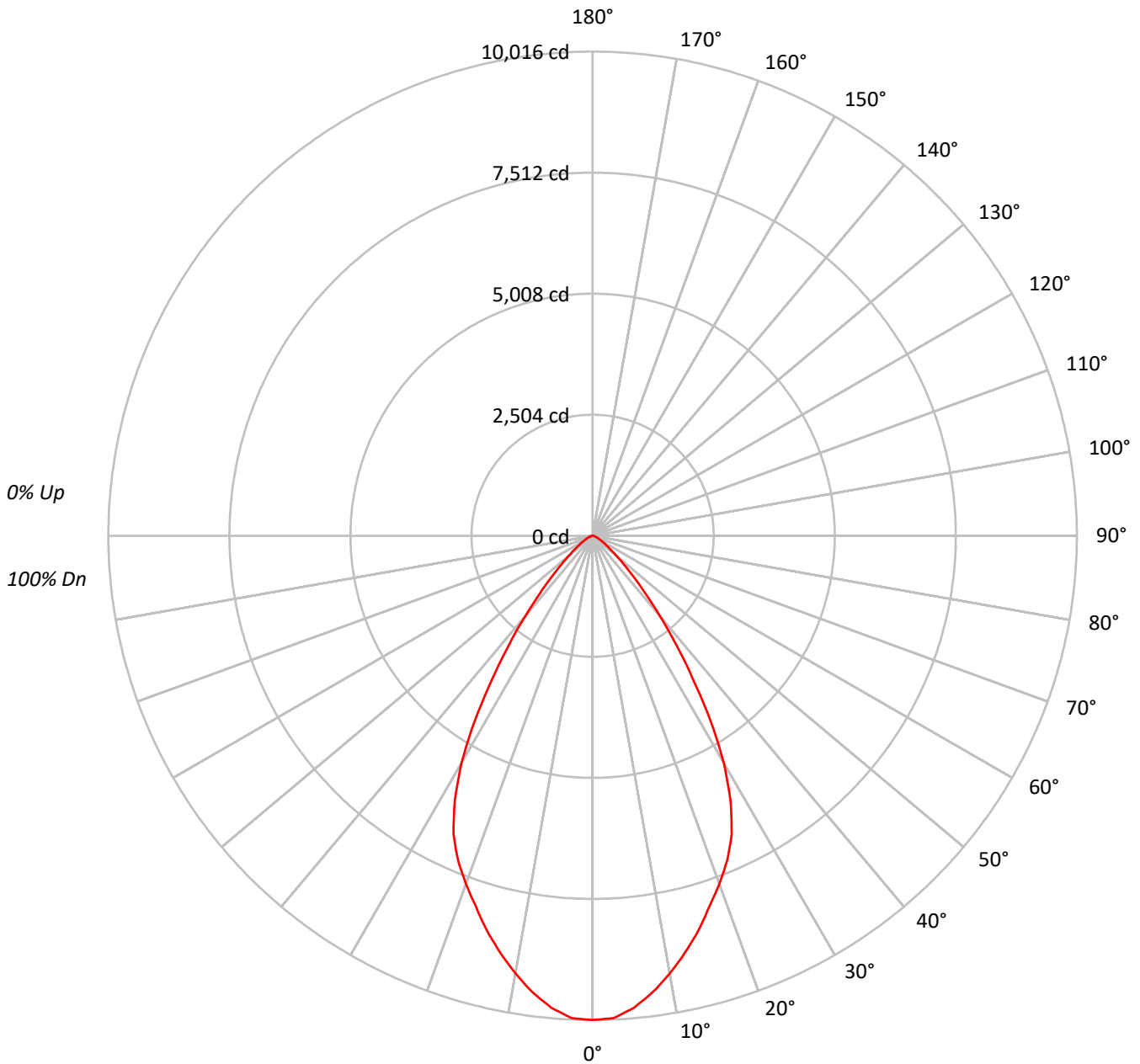
Lumens per Lamp: N/A
Luminaire Lumens: 10121.1 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				
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	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92	92	92	92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72	72	72	72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61	61	61	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53	53	53	53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49	49	49	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	549095
5°	539262
10°	511708
15°	479850
20°	446890
25°	411762
30°	343091
35°	241820
40°	154110
45°	91901
50°	54250
55°	34513
60°	23770
65°	16876
70°	11605
75°	9193
80°	4514
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	915.8	9.0
10°-20°	2369.2	23.4
20°-30°	3069.8	30.3
30°-40°	2279.1	22.5
40°-50°	962.1	9.5
50°-60°	341.6	3.4
60°-70°	131.9	1.3
70°-80°	45.7	0.5
80°-90°	5.8	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°	6354.9	62.8
0°-40°	8634.0	85.3
0°-60°	9937.7	98.2
0°-90°	10121.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10121.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10016	
5°	9800	916
15°	8455	2369
25°	6807	3070
35°	3613	2279
45°	1185	962
55°	361	342
65°	130	132
75°	43	46
85°	0	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10016.3
2.5°	9987.2
5°	9799.5
7.5°	9524.6
10°	9192.5
12.5°	8830.9
15°	8454.9
17.5°	8036.2
20°	7660.3
22.5°	7270.1
25°	6807.4
27.5°	6171.3
30°	5420.0
32.5°	4538.1
35°	3613.4
37.5°	2833.0
40°	2153.5
42.5°	1604.2
45°	1185.4
47.5°	867.1
50°	636.1
52.5°	476.9
55°	361.1
57.5°	274.4
60°	216.8
62.5°	159.2
65°	130.1
67.5°	101.0
70°	72.4
72.5°	57.6
75°	43.4
77.5°	29.1
80°	14.3
82.5°	14.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)