

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: P684016

Luminaire Tested: **LX6C130D010 EX6C1309040 6LBSQH**

Issue Date: 2/16/2022



Test Information

Test Method: LM-79-08
Report Number: P684016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)
Test Lab: INNOVATION CENTER
Issue Date: 2/16/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C130D010 EX6C1309040 6LBSQH
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

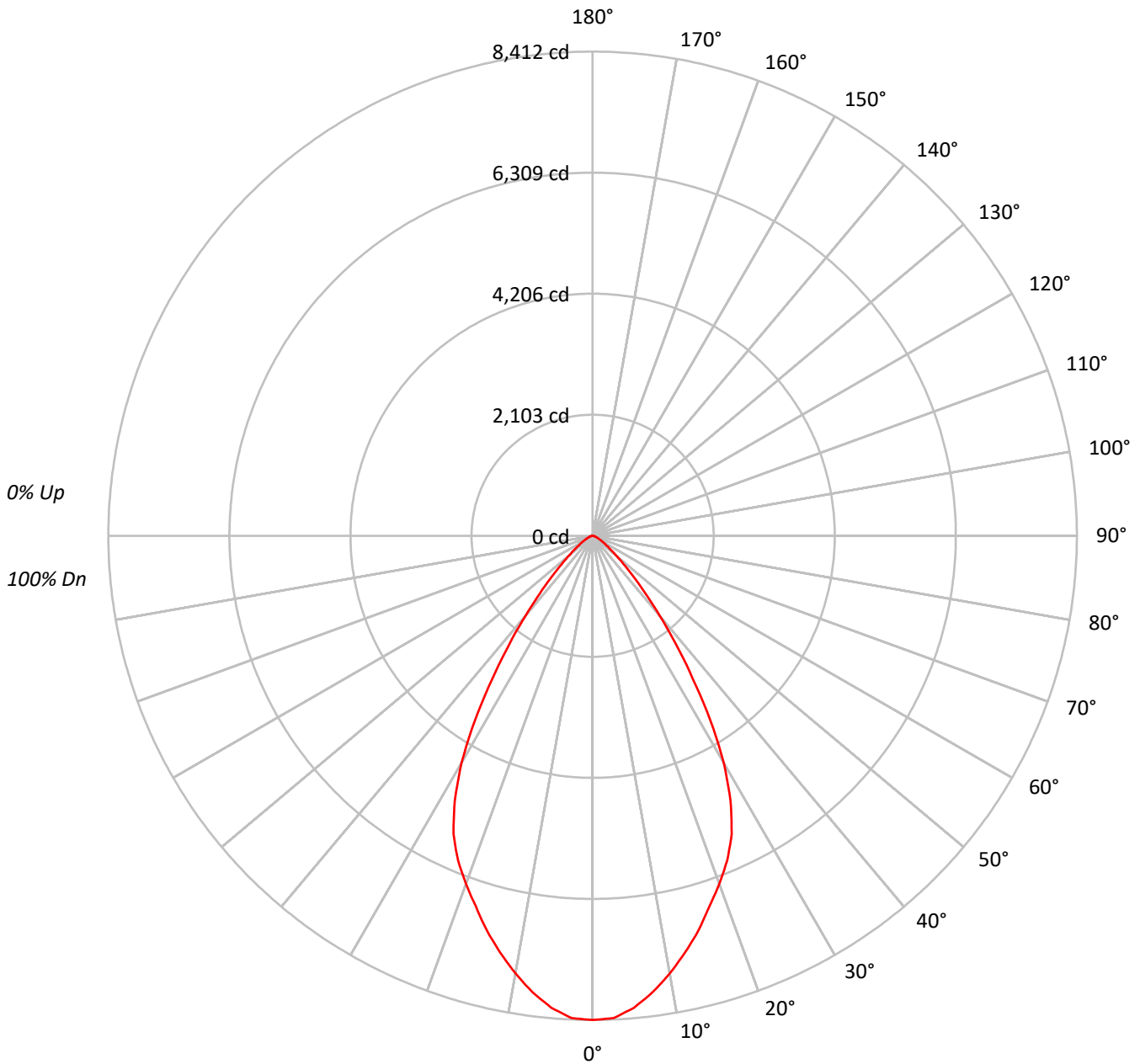
Lumens per Lamp: N/A
Luminaire Lumens: 8500.0 lumens
Efficiency: N/A
Efficacy: 58.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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: P684016

CATALOG NUMBER: LX6C130D010 EX6C1309040 6LBSQH

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	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°	362189
5°	355702
10°	337526
15°	316515
20°	294771
25°	271600
30°	226304
35°	159502
40°	101653
45°	60622
50°	35782
55°	22767
60°	15681
65°	11125
70°	7654
75°	6055
80°	2975
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	769.1	9.0
10°-20°	1989.7	23.4
20°-30°	2578.2	30.3
30°-40°	1914.1	22.5
40°-50°	808.0	9.5
50°-60°	286.9	3.4
60°-70°	110.7	1.3
70°-80°	38.3	0.5
80°-90°	4.9	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°	5337.0	62.8
0°-40°	7251.1	85.3
0°-60°	8346.0	98.2
0°-90°	8500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8500.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8412	
5°	8230	769
15°	7101	1990
25°	5717	2578
35°	3035	1914
45°	996	808
55°	303	287
65°	109	111
75°	36	38
85°	0	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8412.1
2.5°	8387.6
5°	8230.0
7.5°	7999.1
10°	7720.2
12.5°	7416.5
15°	7100.8
17.5°	6749.1
20°	6433.4
22.5°	6105.7
25°	5717.1
27.5°	5182.9
30°	4551.9
32.5°	3811.3
35°	3034.6
37.5°	2379.2
40°	1808.6
42.5°	1347.2
45°	995.6
47.5°	728.2
50°	534.2
52.5°	400.5
55°	303.3
57.5°	230.4
60°	182.1
62.5°	133.7
65°	109.2
67.5°	84.8
70°	60.8
72.5°	48.4
75°	36.4
77.5°	24.4
80°	12.0
82.5°	12.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)