

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: P684000

Luminaire Tested: **LX6C130D010 EX6C1309030 6LBSQH**

Issue Date: 2/16/2022



Test Information

Test Method: LM-79-08
Report Number: P684000
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 EX6C1309030 6LBSQH
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

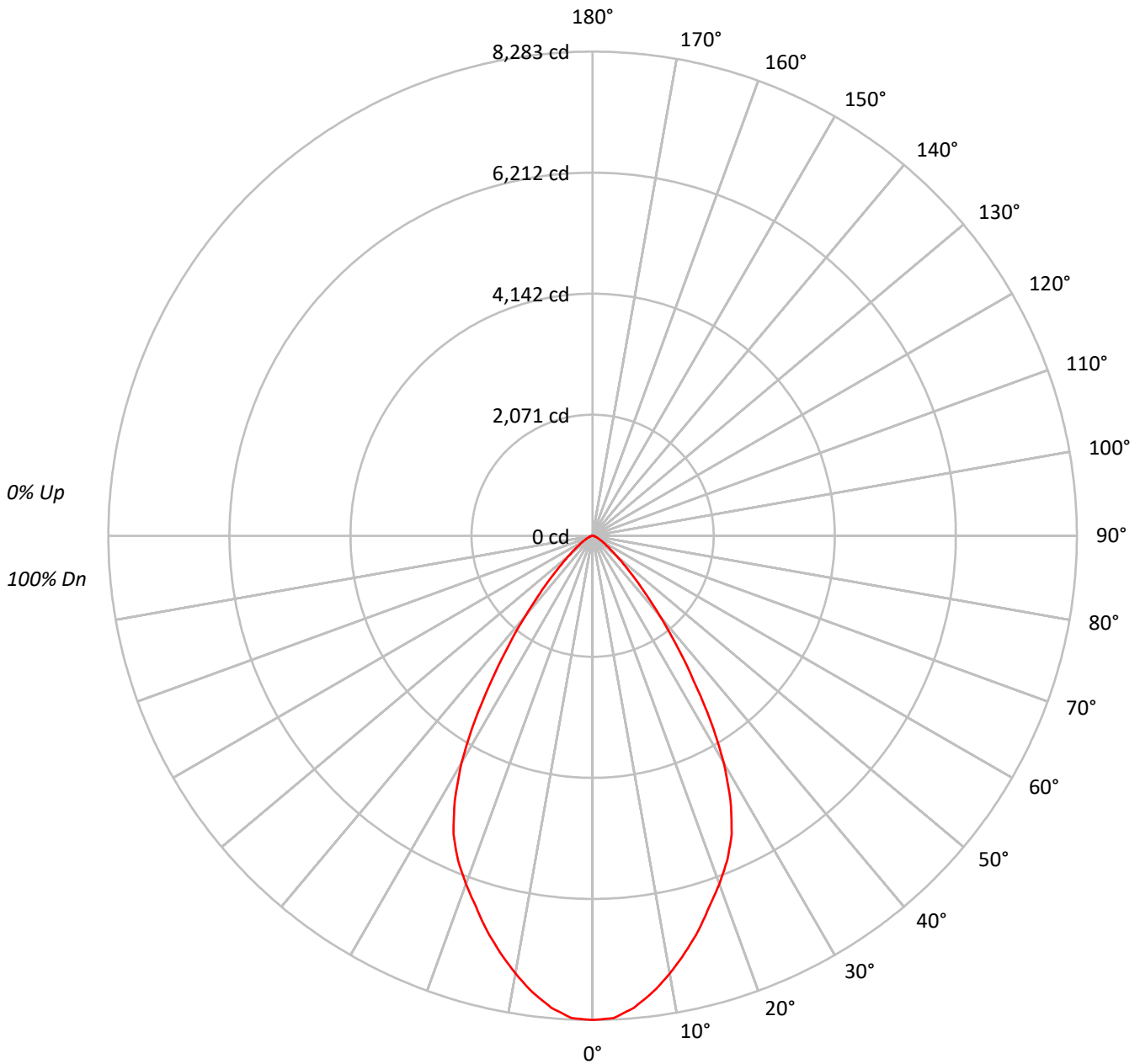
Lumens per Lamp: N/A
Luminaire Lumens: 8370.0 lumens
Efficiency: N/A
Efficacy: 58.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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

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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	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°	356647
5°	350260
10°	332367
15°	311674
20°	290263
25°	267448
30°	222844
35°	157064
40°	100096
45°	59690
50°	35233
55°	22414
60°	15440
65°	10962
70°	7541
75°	5972
80°	2926
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	757.4	9.0
10°-20°	1959.3	23.4
20°-30°	2538.7	30.3
30°-40°	1884.8	22.5
40°-50°	795.7	9.5
50°-60°	282.5	3.4
60°-70°	109.1	1.3
70°-80°	37.8	0.5
80°-90°	4.8	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°	5255.4	62.8
0°-40°	7140.2	85.3
0°-60°	8218.4	98.2
0°-90°	8370.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8370.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8283	
5°	8104	757
15°	6992	1959
25°	5630	2539
35°	2988	1885
45°	980	796
55°	299	282
65°	108	109
75°	36	38
85°	0	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8283.4
2.5°	8259.4
5°	8104.1
7.5°	7876.7
10°	7602.2
12.5°	7303.1
15°	6992.2
17.5°	6645.9
20°	6335.0
22.5°	6012.3
25°	5629.7
27.5°	5103.7
30°	4482.3
32.5°	3753.0
35°	2988.2
37.5°	2342.8
40°	1780.9
42.5°	1326.6
45°	980.3
47.5°	717.1
50°	526.0
52.5°	394.4
55°	298.6
57.5°	226.9
60°	179.3
62.5°	131.6
65°	107.6
67.5°	83.5
70°	59.9
72.5°	47.6
75°	35.9
77.5°	24.1
80°	11.8
82.5°	11.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)