

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: P683895

Luminaire Tested: **LX6C100D010 EX6C1009035 6LBSQH**

Issue Date: 2/16/2022

Test Information

Test Method: LM-79-08
Report Number: P683895
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: LX6C100D010 EX6C1009035 6LBSQH
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

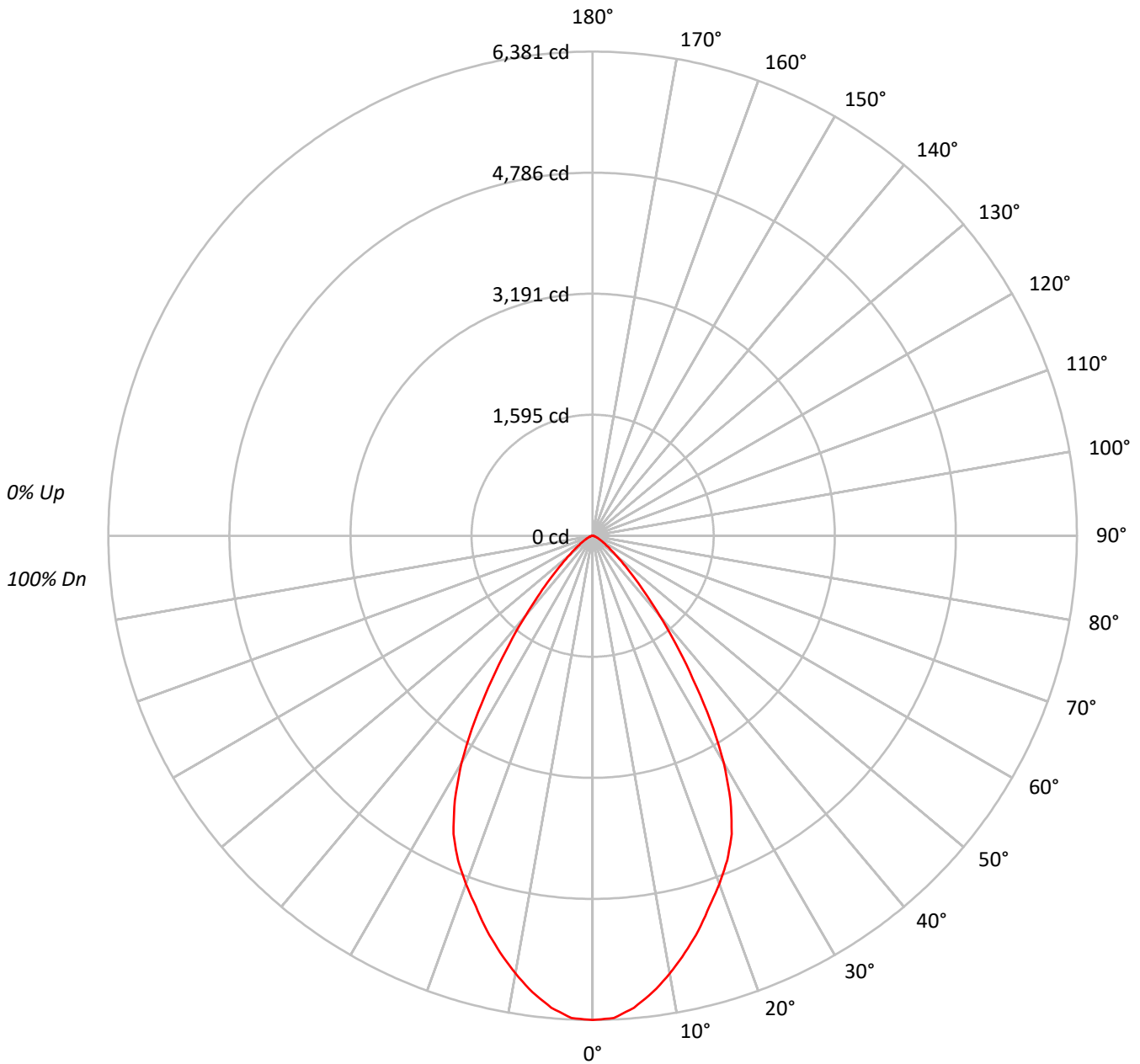
Lumens per Lamp: N/A
Luminaire Lumens: 6448.0 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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				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°	274751
5°	269832
10°	256045
15°	240105
20°	223610
25°	206032
30°	171676
35°	120996
40°	77113
45°	45984
50°	27141
55°	17273
60°	11892
65°	8446
70°	5816
75°	4591
80°	2256
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	583.5	9.0
10°-20°	1509.4	23.4
20°-30°	1955.8	30.3
30°-40°	1452.0	22.5
40°-50°	613.0	9.5
50°-60°	217.6	3.4
60°-70°	84.0	1.3
70°-80°	29.1	0.5
80°-90°	3.7	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°	4048.6	62.8
0°-40°	5500.6	85.3
0°-60°	6331.2	98.2
0°-90°	6448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6448.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6381	
5°	6243	583
15°	5387	1509
25°	4337	1956
35°	2302	1452
45°	755	613
55°	230	218
65°	83	84
75°	28	29
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6381.3
2.5°	6362.8
5°	6243.2
7.5°	6068.0
10°	5856.5
12.5°	5626.1
15°	5386.6
17.5°	5119.8
20°	4880.3
22.5°	4631.7
25°	4336.9
27.5°	3931.7
30°	3453.1
32.5°	2891.2
35°	2302.0
37.5°	1804.8
40°	1372.0
42.5°	1022.0
45°	755.2
47.5°	552.4
50°	405.2
52.5°	303.8
55°	230.1
57.5°	174.8
60°	138.1
62.5°	101.4
65°	82.9
67.5°	64.3
70°	46.2
72.5°	36.7
75°	27.6
77.5°	18.5
80°	9.1
82.5°	9.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)