

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: P683992

Luminaire Tested: **LX6C130D010 EX6C1309027 6LBSQH**

Issue Date: 2/16/2022



Test Information

Test Method: LM-79-08
Report Number: P683992
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 EX6C1309027 6LBSQH
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

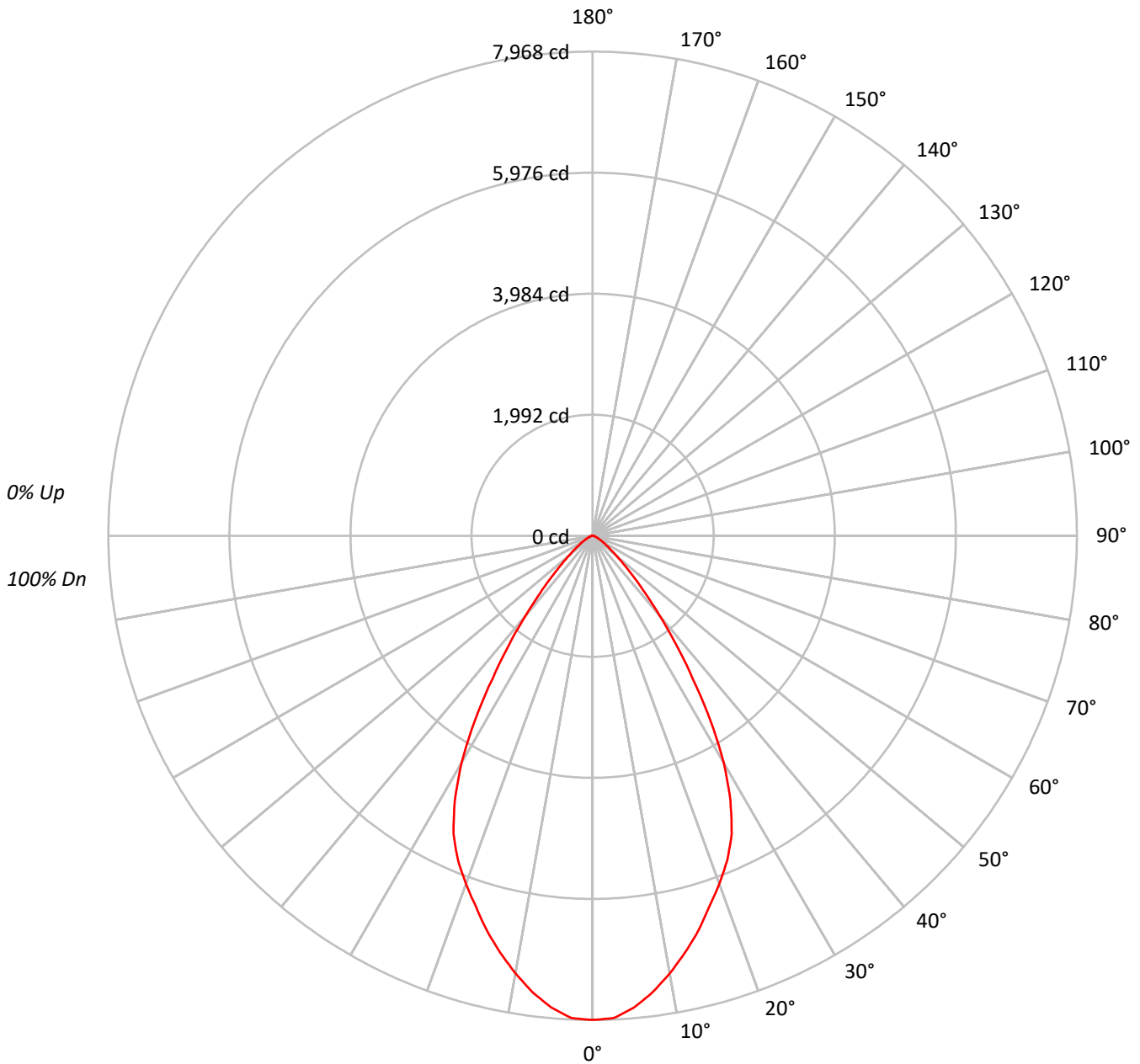
Lumens per Lamp: N/A
Luminaire Lumens: 8051.0 lumens
Efficiency: N/A
Efficacy: 55.8 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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	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	88	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°	343055
5°	336914
10°	319697
15°	299795
20°	279197
25°	257253
30°	214352
35°	151077
40°	96285
45°	57419
50°	33893
55°	21566
60°	14846
65°	10544
70°	7251
75°	5739
80°	2802
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	728.5	9.0
10°-20°	1884.6	23.4
20°-30°	2442.0	30.3
30°-40°	1812.9	22.5
40°-50°	765.4	9.5
50°-60°	271.7	3.4
60°-70°	104.9	1.3
70°-80°	36.3	0.5
80°-90°	4.6	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°	5055.1	62.8
0°-40°	6868.1	85.3
0°-60°	7905.2	98.2
0°-90°	8051.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8051.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7968	
5°	7795	729
15°	6726	1885
25°	5415	2442
35°	2874	1813
45°	943	765
55°	287	272
65°	104	105
75°	34	36
85°	0	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7967.7
2.5°	7944.6
5°	7795.3
7.5°	7576.5
10°	7312.4
12.5°	7024.7
15°	6725.7
17.5°	6392.6
20°	6093.5
22.5°	5783.1
25°	5415.1
27.5°	4909.1
30°	4311.5
32.5°	3609.9
35°	2874.3
37.5°	2253.5
40°	1713.1
42.5°	1276.1
45°	943.0
47.5°	689.8
50°	506.0
52.5°	379.4
55°	287.3
57.5°	218.3
60°	172.4
62.5°	126.6
65°	103.5
67.5°	80.3
70°	57.6
72.5°	45.8
75°	34.5
77.5°	23.1
80°	11.3
82.5°	11.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)