

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: P844006

Luminaire Tested: **LD6C10DE010B50 EU6C10B50 6LBNH**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P844006
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C10DE010B50 EU6C10B50 6LBNH
Description:
Light Source: -
Ballast/Driver:

Summary

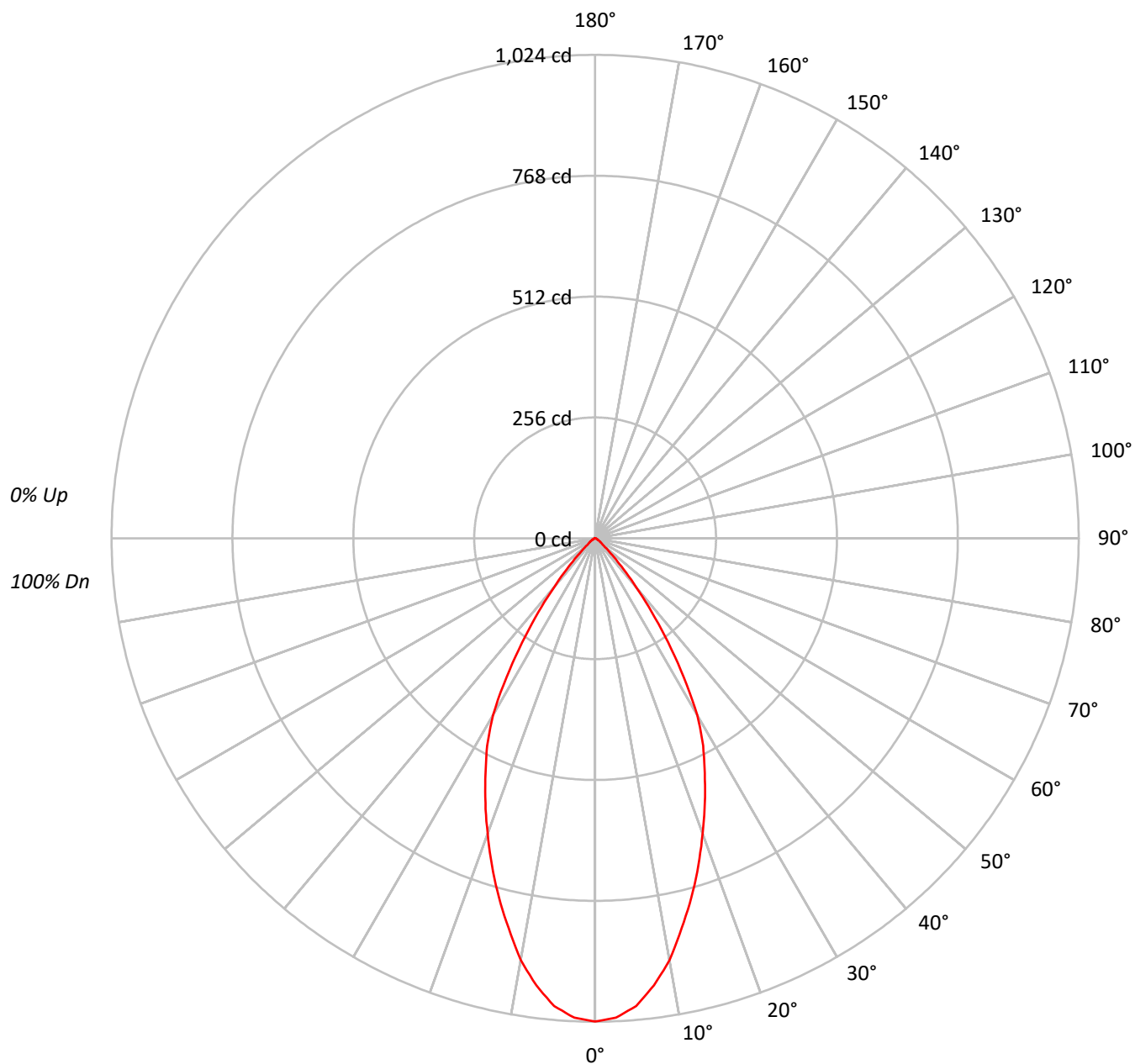
Lumens per Lamp: N/A
Luminaire Lumens: 798.6 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 13.3
Input Voltage (V):
Input Current (Ain): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87		
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81		
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75		
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70		
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65		
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61		
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58		
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54		
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56114
5°	54727
10°	50495
15°	44705
20°	38818
25°	33202
30°	27378
35°	18029
40°	9690
45°	4287
50°	1740
55°	1252
60°	800
65°	571
70°	481
75°	318
80°	474
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.0	11.5
10°-20°	219.5	27.5
20°-30°	251.5	31.5
30°-40°	169.0	21.2
40°-50°	48.2	6.0
50°-60°	11.8	1.5
60°-70°	4.5	0.6
70°-80°	1.8	0.2
80°-90°	0.2	0.0
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°	563.0	70.5
0°-40°	732.0	91.7
0°-60°	792.1	99.2
0°-90°	798.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	798.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1024	
5°	994	92
15°	788	220
25°	549	251
35°	269	169
45°	55	48
55°	13	12
65°	4	5
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1023.6
2.5°	1016.4
5°	994.5
7.5°	955.1
10°	907.1
12.5°	845.9
15°	787.7
17.5°	726.6
20°	665.4
22.5°	607.2
25°	548.9
27.5°	495.1
30°	432.5
32.5°	349.4
35°	269.4
37.5°	196.5
40°	135.4
42.5°	88.8
45°	55.3
47.5°	33.4
50°	20.4
52.5°	16.0
55°	13.1
57.5°	10.2
60°	7.3
62.5°	5.8
65°	4.4
67.5°	3.0
70°	3.0
72.5°	1.5
75°	1.5
77.5°	1.5
80°	1.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)