

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: P843918

Luminaire Tested: **LD6C08DE010B50 EU6C08B50 6LBMH**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P843918
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C08DE010B50 EU6C08B50 6LBMH
Description:
Light Source: -
Ballast/Driver:

Summary

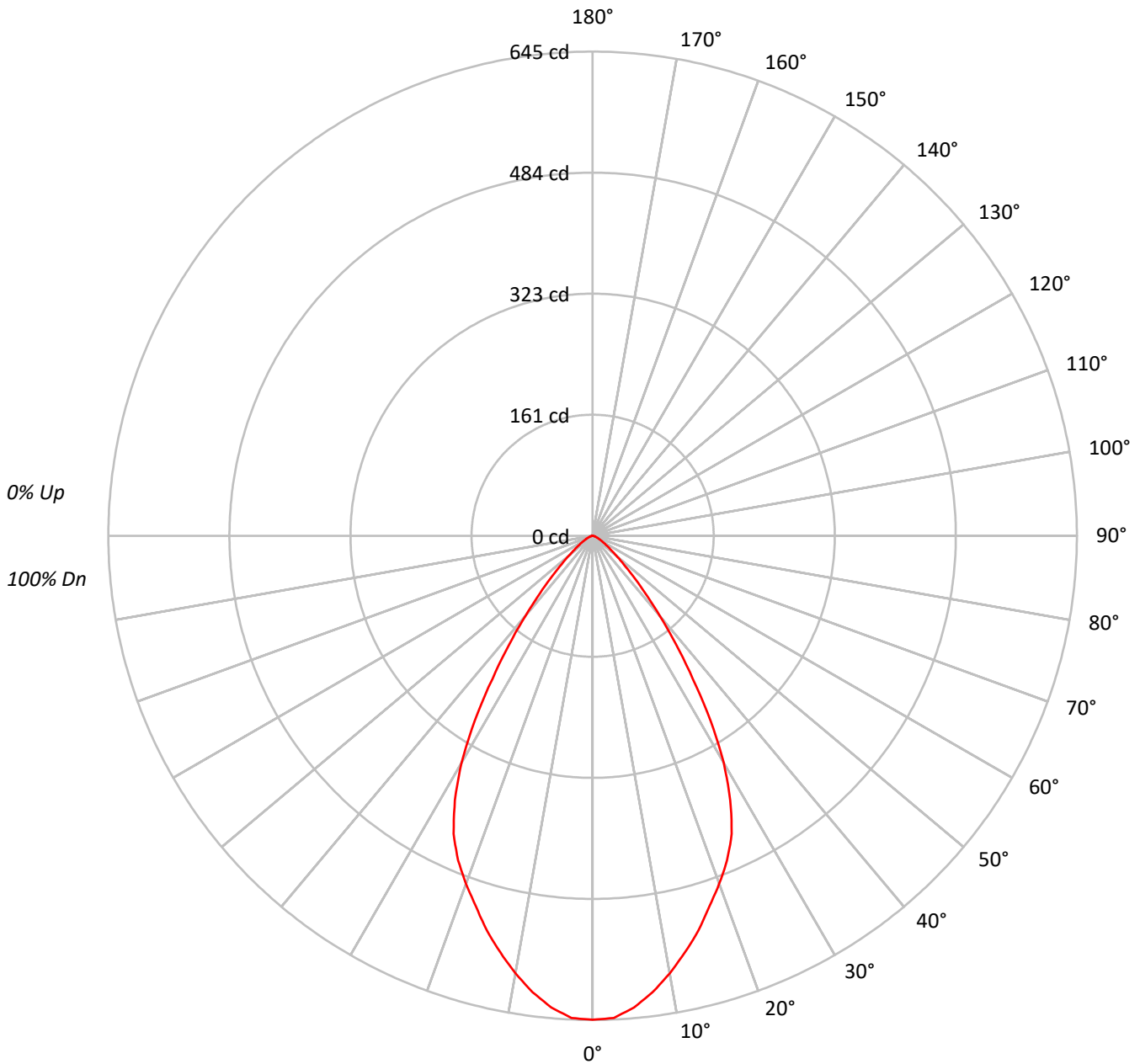
Lumens per Lamp: N/A
Luminaire Lumens: 651.6 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.6
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			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	87	83	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	68	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°	35343
5°	34713
10°	32937
15°	30891
20°	28767
25°	26506
30°	22086
35°	15566
40°	9926
45°	5915
50°	3488
55°	2227
60°	1535
65°	1090
70°	753
75°	572
80°	316
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.0	9.0
10°-20°	152.5	23.4
20°-30°	197.6	30.3
30°-40°	146.7	22.5
40°-50°	61.9	9.5
50°-60°	22.0	3.4
60°-70°	8.5	1.3
70°-80°	2.9	0.5
80°-90°	0.4	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°	409.1	62.8
0°-40°	555.8	85.3
0°-60°	639.7	98.2
0°-90°	651.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	651.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	645	
5°	631	59
15°	544	153
25°	438	198
35°	233	147
45°	76	62
55°	23	22
65°	8	9
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	644.7
2.5°	642.9
5°	630.8
7.5°	613.1
10°	591.7
12.5°	568.5
15°	544.3
17.5°	517.3
20°	493.1
22.5°	468.0
25°	438.2
27.5°	397.2
30°	348.9
32.5°	292.1
35°	232.6
37.5°	182.3
40°	138.7
42.5°	103.2
45°	76.3
47.5°	55.8
50°	40.9
52.5°	30.7
55°	23.3
57.5°	17.7
60°	14.0
62.5°	10.3
65°	8.4
67.5°	6.5
70°	4.7
72.5°	3.7
75°	2.7
77.5°	1.9
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)