

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: P844176

Luminaire Tested: **LD6C20DE010B50 EU6C20B50 6LBNH**

Issue Date: 2/17/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P844176  
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: LD6C20DE010B50 EU6C20B50 6LBNH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

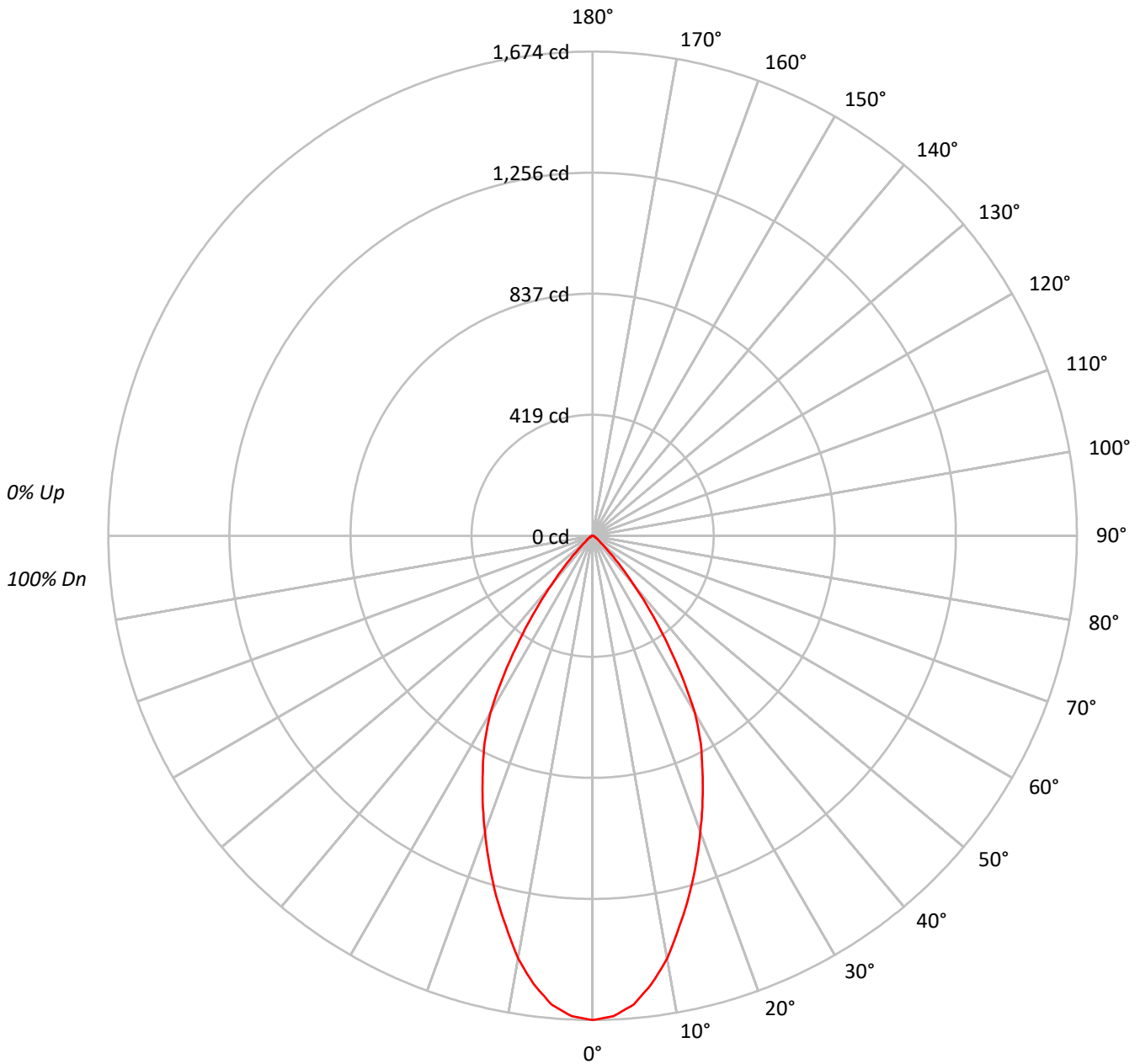
Lumens per Lamp: N/A  
Luminaire Lumens: 1306.2 lumens  
Efficiency: N/A  
Efficacy: 59.9 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.8  
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			
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	57	53	61	56	53	60	56	52	60	55	52	51			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	91785
5°	89517
10°	82603
15°	73128
20°	63496
25°	54312
30°	44773
35°	29486
40°	15851
45°	7016
50°	2840
55°	2055
60°	1294
65°	934
70°	769
75°	508
80°	758
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.6	11.5
10°-20°	359.1	27.5
20°-30°	411.3	31.5
30°-40°	276.4	21.2
40°-50°	79.0	6.0
50°-60°	19.3	1.5
60°-70°	7.3	0.6
70°-80°	2.9	0.2
80°-90°	0.3	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°	921.0	70.5
0°-40°	1197.3	91.7
0°-60°	1295.6	99.2
0°-90°	1306.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1306.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1674	
5°	1627	151
15°	1288	359
25°	898	411
35°	441	276
45°	90	79
55°	22	19
65°	7	7
75°	2	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1674.3
2.5°	1662.5
5°	1626.7
7.5°	1562.4
10°	1483.9
12.5°	1383.8
15°	1288.5
17.5°	1188.6
20°	1088.4
22.5°	993.2
25°	897.9
27.5°	809.7
30°	707.3
32.5°	571.5
35°	440.6
37.5°	321.5
40°	221.5
42.5°	145.3
45°	90.5
47.5°	54.8
50°	33.3
52.5°	26.2
55°	21.5
57.5°	16.7
60°	11.8
62.5°	9.5
65°	7.2
67.5°	4.8
70°	4.8
72.5°	2.4
75°	2.4
77.5°	2.4
80°	2.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)