

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: P844173

Luminaire Tested: **LD6C20DE010B50 EU6C20B50 6LBMH**

Issue Date: 2/17/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P844173  
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: LD6C20DE010B50 EU6C20B50 6LBMH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

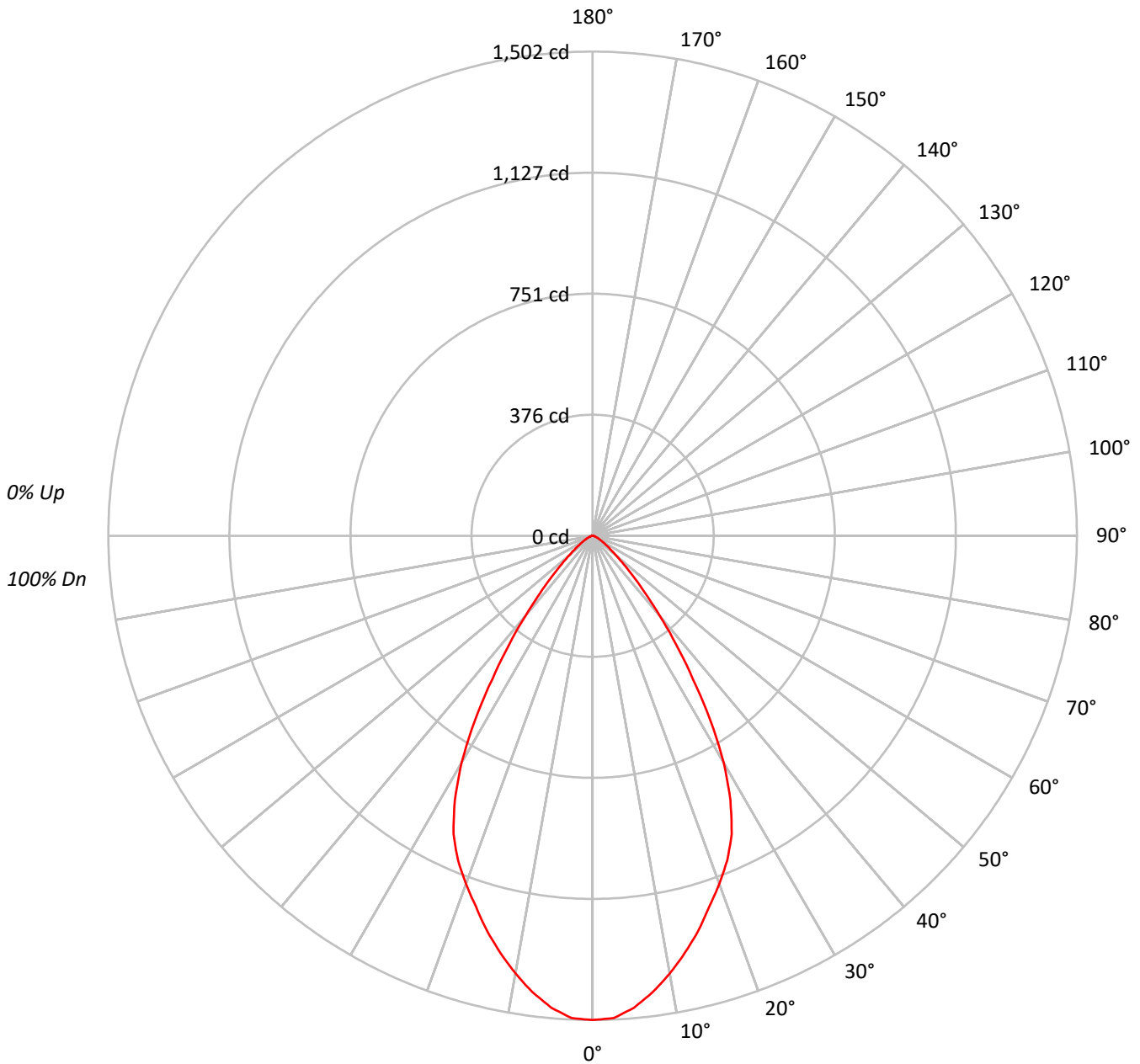
Lumens per Lamp: N/A  
Luminaire Lumens: 1517.7 lumens  
Efficiency: N/A  
Efficacy: 69.6 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 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			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	88	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°	82345
5°	80866
10°	76735
15°	71958
20°	67013
25°	61746
30°	51451
35°	36259
40°	23108
45°	13784
50°	8136
55°	5180
60°	3563
65°	2529
70°	1747
75°	1377
80°	663
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.3	9.0
10°-20°	355.3	23.4
20°-30°	460.3	30.3
30°-40°	341.8	22.5
40°-50°	144.3	9.5
50°-60°	51.2	3.4
60°-70°	19.8	1.3
70°-80°	6.8	0.5
80°-90°	0.9	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°	953.0	62.8
0°-40°	1294.7	85.3
0°-60°	1490.2	98.2
0°-90°	1517.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1517.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1502	
5°	1470	137
15°	1268	355
25°	1021	460
35°	542	342
45°	178	144
55°	54	51
65°	20	20
75°	6	7
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1502.1
2.5°	1497.6
5°	1469.5
7.5°	1428.2
10°	1378.5
12.5°	1324.3
15°	1267.9
17.5°	1205.1
20°	1148.7
22.5°	1090.2
25°	1020.8
27.5°	925.4
30°	812.8
32.5°	680.5
35°	541.8
37.5°	424.9
40°	322.9
42.5°	240.5
45°	177.8
47.5°	130.0
50°	95.4
52.5°	71.5
55°	54.2
57.5°	41.1
60°	32.5
62.5°	23.9
65°	19.5
67.5°	15.1
70°	10.9
72.5°	8.7
75°	6.5
77.5°	4.3
80°	2.1
82.5°	2.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)