

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: P844156

Luminaire Tested: **LD6C20DE010B40 EU6C20B40 6LBMH**

Issue Date: 2/17/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P844156  
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: LD6C20DE010B40 EU6C20B40 6LBMH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

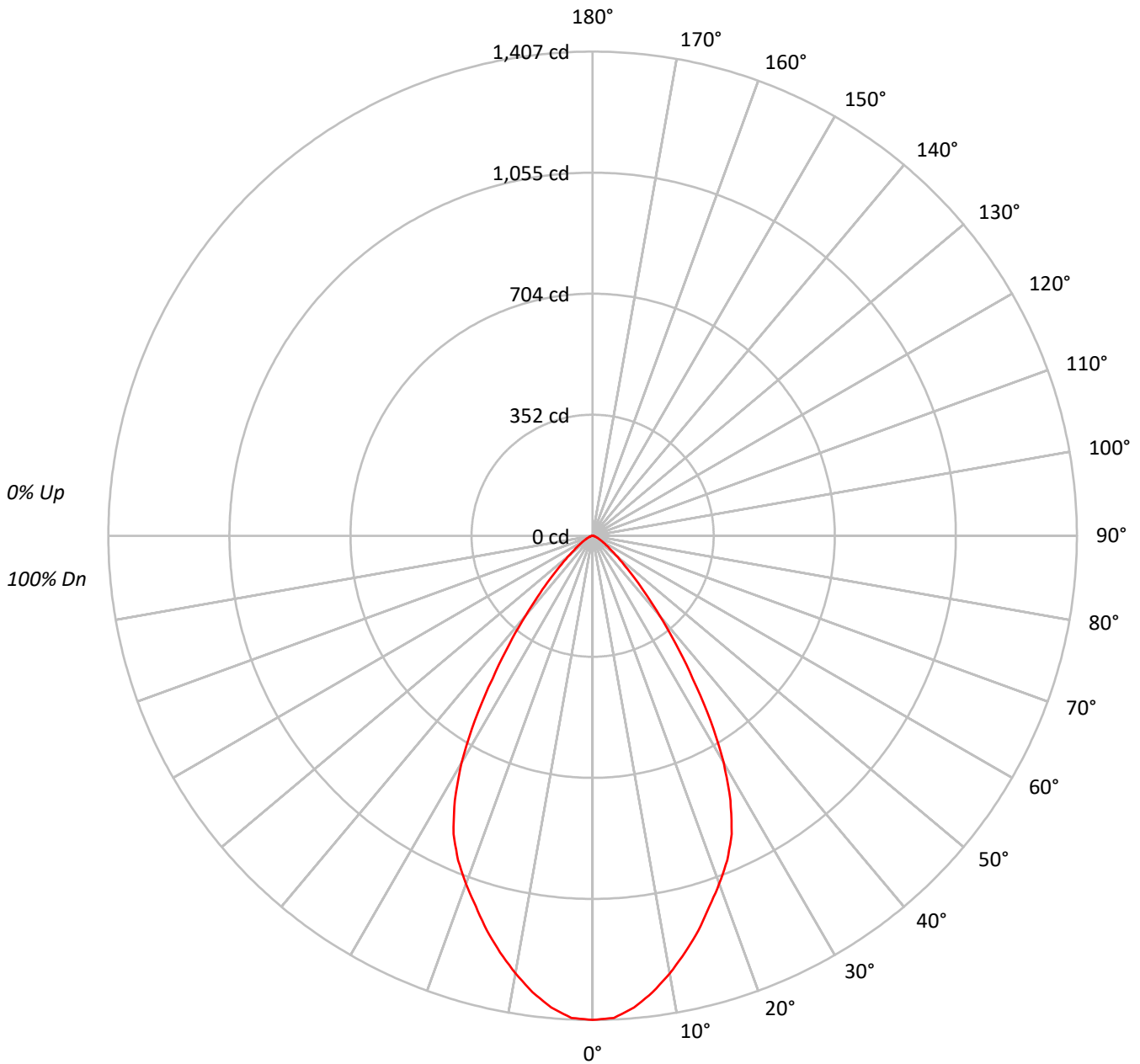
Lumens per Lamp: N/A  
Luminaire Lumens: 1421.5 lumens  
Efficiency: N/A  
Efficacy: 65.2 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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	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	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°	77121
5°	75737
10°	71870
15°	67395
20°	62760
25°	57832
30°	48185
35°	33963
40°	21648
45°	12908
50°	7624
55°	4855
60°	3344
65°	2374
70°	1635
75°	1292
80°	631
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.6	9.0
10°-20°	332.8	23.4
20°-30°	431.1	30.3
30°-40°	320.1	22.5
40°-50°	135.1	9.5
50°-60°	48.0	3.4
60°-70°	18.5	1.3
70°-80°	6.4	0.5
80°-90°	0.8	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°	892.5	62.8
0°-40°	1212.6	85.3
0°-60°	1395.7	98.2
0°-90°	1421.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1421.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1407	
5°	1376	129
15°	1188	333
25°	956	431
35°	508	320
45°	166	135
55°	51	48
65°	18	19
75°	6	6
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1406.8
2.5°	1402.6
5°	1376.3
7.5°	1337.7
10°	1291.1
12.5°	1240.3
15°	1187.5
17.5°	1128.7
20°	1075.8
22.5°	1021.0
25°	956.1
27.5°	866.7
30°	761.2
32.5°	637.3
35°	507.5
37.5°	397.9
40°	302.5
42.5°	225.3
45°	166.5
47.5°	121.7
50°	89.4
52.5°	66.9
55°	50.8
57.5°	38.5
60°	30.5
62.5°	22.3
65°	18.3
67.5°	14.2
70°	10.2
72.5°	8.1
75°	6.1
77.5°	4.1
80°	2.0
82.5°	2.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)