

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: P844097

Luminaire Tested: **LD6C20DE010B2750 EU6C20B27 6LBCSMB**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844097  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P204757)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C20DE010B2750 EU6C20B27 6LBCSMB  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

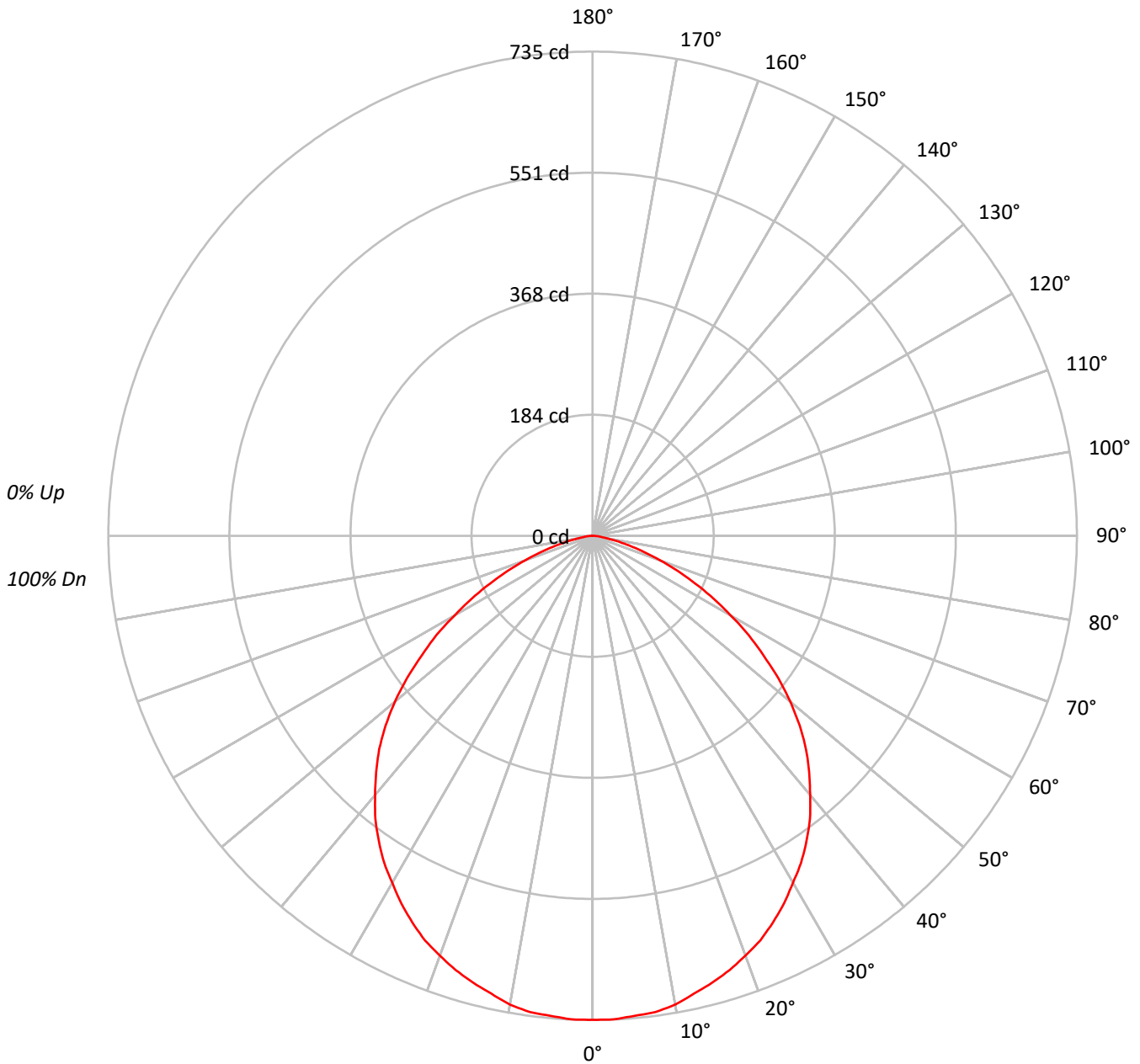
Lumens per Lamp: N/A  
Luminaire Lumens: 1799.1 lumens  
Efficiency: N/A  
Efficacy: 82.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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				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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87				87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74				74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63				63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55				55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48				48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42				42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37				37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33				33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30				30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27				27

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

	0°
0°	40282
5°	40254
10°	40235
15°	39853
20°	39565
25°	39172
30°	38500
35°	37872
40°	36755
45°	35508
50°	33381
55°	30221
60°	26533
65°	22337
70°	17471
75°	12264
80°	6882
85°	4780



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.6	3.9
10°-20°	198.2	11.0
20°-30°	298.1	16.6
30°-40°	353.4	19.6
40°-50°	351.7	19.5
50°-60°	283.5	15.8
60°-70°	171.5	9.5
70°-80°	63.7	3.5
80°-90°	9.4	0.5
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°	566.0	31.5
0°-40°	919.4	51.1
0°-60°	1554.5	86.4
0°-90°	1799.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1799.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	735	
5°	732	70
15°	702	198
25°	648	298
35°	566	353
45°	458	352
55°	316	283
65°	172	171
75°	58	64
85°	8	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	734.8
2.5°	734.8
5°	731.5
7.5°	729.3
10°	722.8
12.5°	711.8
15°	702.2
17.5°	691.2
20°	678.2
22.5°	664.9
25°	647.6
27.5°	629.1
30°	608.2
32.5°	588.8
35°	565.9
37.5°	541.9
40°	513.6
42.5°	486.2
45°	458.0
47.5°	426.2
50°	391.4
52.5°	355.4
55°	316.2
57.5°	281.2
60°	242.0
62.5°	207.2
65°	172.2
67.5°	139.5
70°	109.0
72.5°	81.9
75°	57.9
77.5°	37.0
80°	21.8
82.5°	13.0
85°	7.6
87.5°	3.2
90°	0.0



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— 0°-180°







(END OF REPORT)