

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: P844107

Luminaire Tested: **LD6C20DE010B2750 EU6C20B27 6LBMMW**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844107  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203577)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C20DE010B2750 EU6C20B27 6LBMMW  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

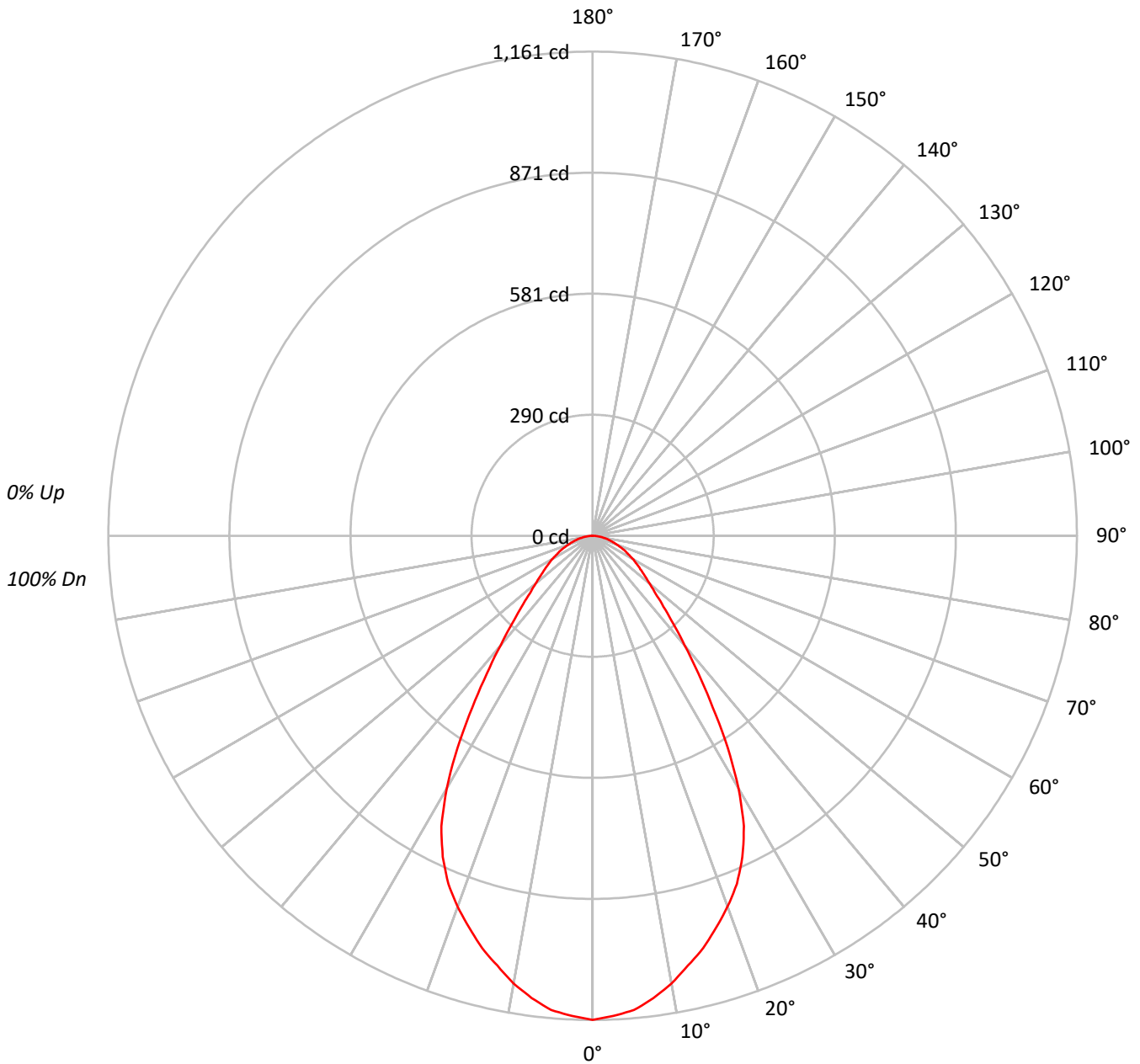
Lumens per Lamp: N/A  
Luminaire Lumens: 1555.8 lumens  
Efficiency: N/A  
Efficacy: 71.4 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			

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

	0°
0°	63641
5°	62816
10°	60681
15°	58093
20°	55206
25°	51396
30°	44279
35°	33609
40°	24567
45°	18630
50°	15189
55°	13333
60°	12236
65°	11143
70°	9970
75°	9087
80°	8145
85°	6730



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.2	6.9
10°-20°	287.2	18.5
20°-30°	385.7	24.8
30°-40°	316.4	20.3
40°-50°	190.0	12.2
50°-60°	126.3	8.1
60°-70°	84.7	5.4
70°-80°	45.5	2.9
80°-90°	12.9	0.8
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°	780.2	50.1
0°-40°	1096.6	70.5
0°-60°	1412.8	90.8
0°-90°	1555.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1555.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1161	
5°	1142	107
15°	1024	287
25°	850	386
35°	502	316
45°	240	190
55°	140	126
65°	86	85
75°	43	46
85°	11	13
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1160.9
2.5°	1152.3
5°	1141.5
7.5°	1117.9
10°	1090.1
12.5°	1055.7
15°	1023.6
17.5°	984.9
20°	946.3
22.5°	903.4
25°	849.7
27.5°	785.4
30°	699.5
32.5°	603.0
35°	502.2
37.5°	416.3
40°	343.3
42.5°	285.3
45°	240.3
47.5°	203.8
50°	178.1
52.5°	156.6
55°	139.5
57.5°	124.5
60°	111.6
62.5°	96.6
65°	85.9
67.5°	73.0
70°	62.2
72.5°	51.5
75°	42.9
77.5°	34.3
80°	25.8
82.5°	19.4
85°	10.7
87.5°	4.3
90°	0.0



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— 0°-180°







(END OF REPORT)