

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: P844099

Luminaire Tested: **LD6C20DE010B2750 EU6C20B27 6LBCSMW**

Issue Date: 5/7/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P844099  
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 6LBSCMW  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

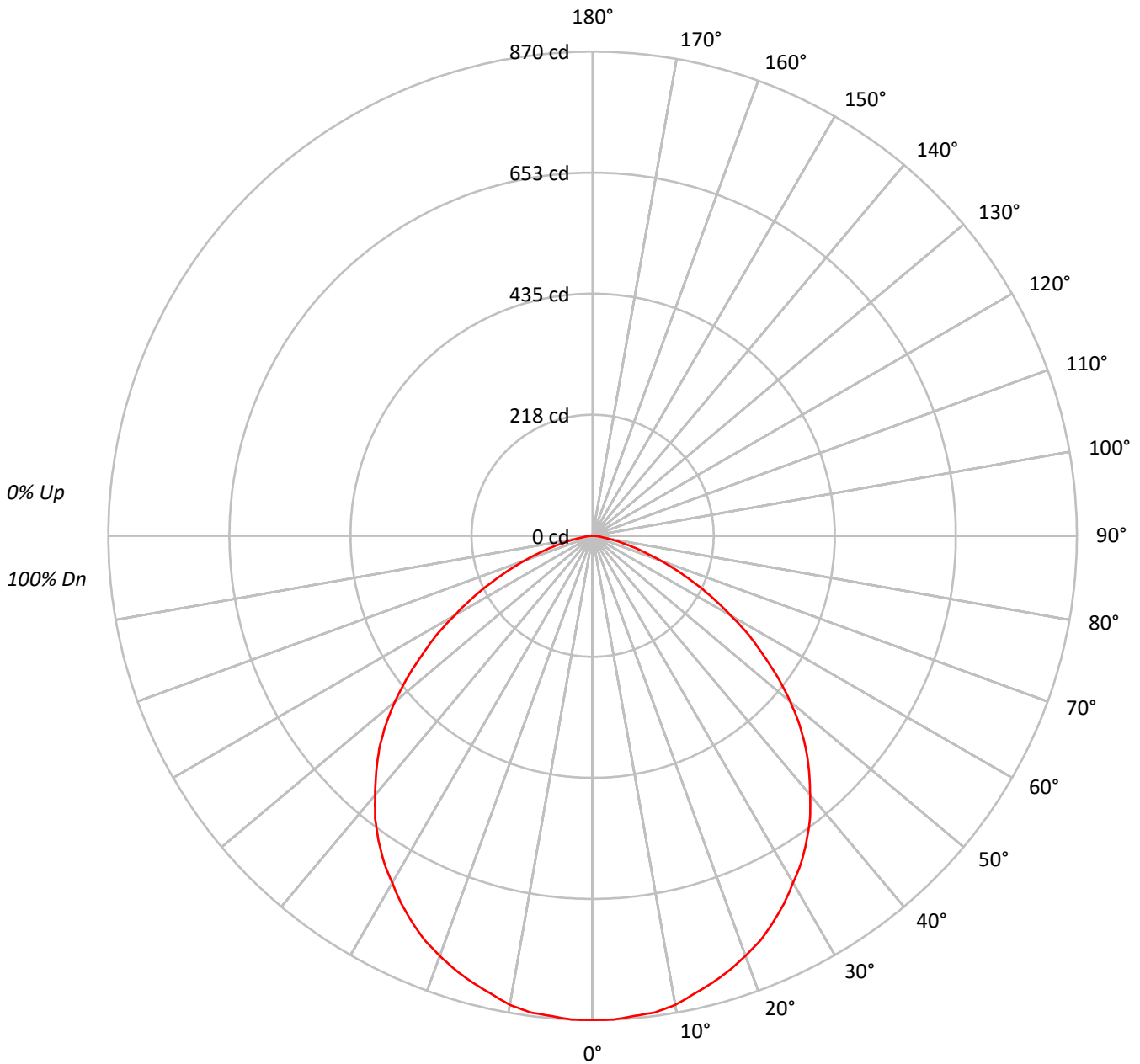
Lumens per Lamp: N/A  
Luminaire Lumens: 2130.1 lumens  
Efficiency: N/A  
Efficacy: 97.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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				
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°	47699
5°	47661
10°	47639
15°	47185
20°	46846
25°	46376
30°	45583
35°	44838
40°	43510
45°	42035
50°	39530
55°	35784
60°	31412
65°	26449
70°	20693
75°	14488
80°	8113
85°	5661



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.4	3.9
10°-20°	234.7	11.0
20°-30°	353.0	16.6
30°-40°	418.4	19.6
40°-50°	416.3	19.5
50°-60°	335.6	15.8
60°-70°	203.0	9.5
70°-80°	75.4	3.5
80°-90°	11.2	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°	670.1	31.5
0°-40°	1088.5	51.1
0°-60°	1840.5	86.4
0°-90°	2130.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2130.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	870	
5°	866	82
15°	831	235
25°	767	353
35°	670	418
45°	542	416
55°	374	336
65°	204	203
75°	68	75
85°	9	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	870.1
2.5°	870.1
5°	866.1
7.5°	863.6
10°	855.8
12.5°	842.8
15°	831.4
17.5°	818.4
20°	803.0
22.5°	787.3
25°	766.7
27.5°	744.8
30°	720.1
32.5°	697.1
35°	670.0
37.5°	641.6
40°	608.0
42.5°	575.6
45°	542.2
47.5°	504.7
50°	463.5
52.5°	420.7
55°	374.4
57.5°	333.0
60°	286.5
62.5°	245.3
65°	203.9
67.5°	165.2
70°	129.1
72.5°	96.9
75°	68.4
77.5°	43.9
80°	25.7
82.5°	15.4
85°	9.0
87.5°	3.8
90°	0.0



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— 0°-180°







(END OF REPORT)