

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: P844116

Luminaire Tested: **LD6C20DE010B2750 EU6C20B30 6LBCSMW**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844116  
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 EU6C20B30 6LBSCMW  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

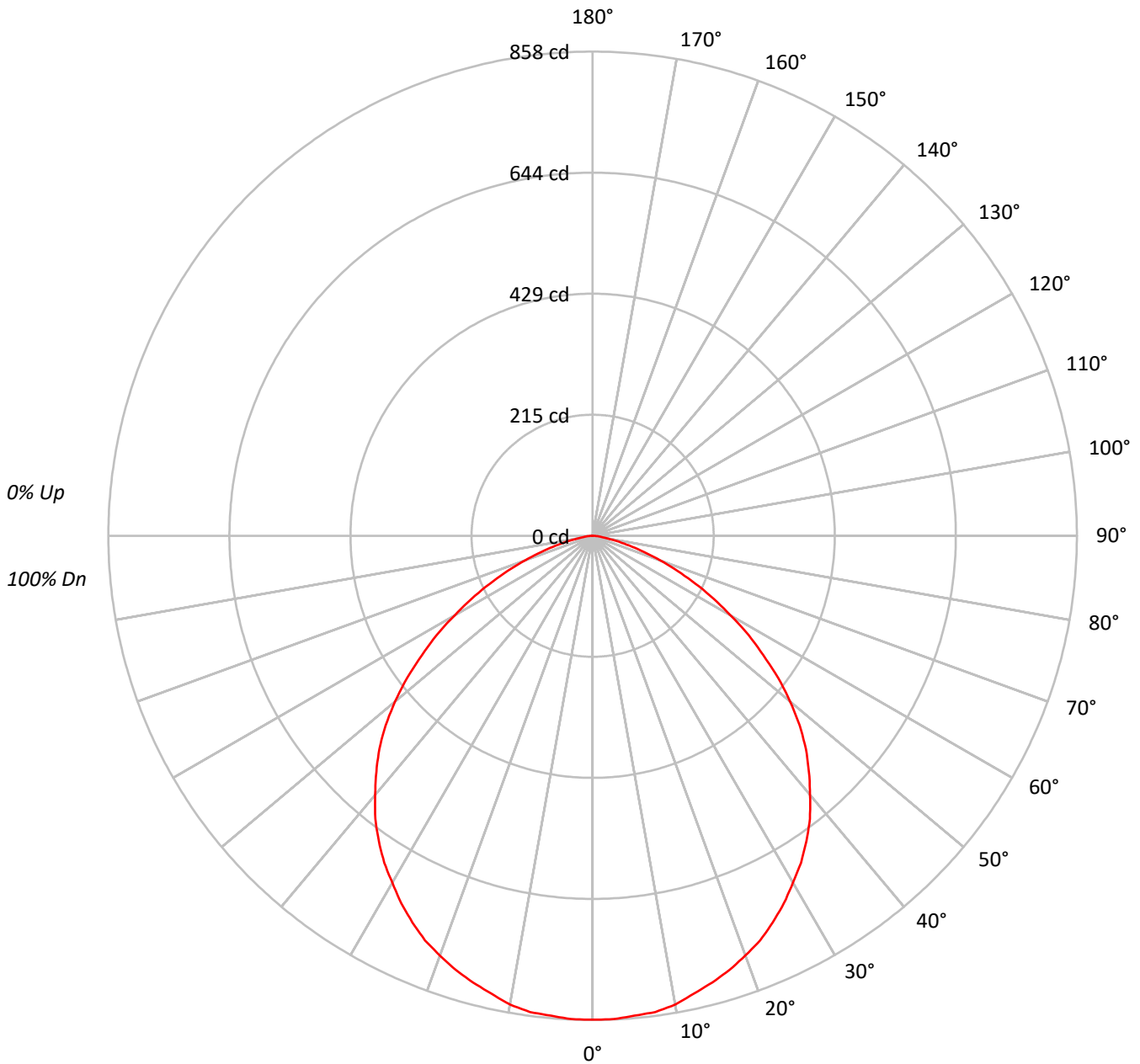
Lumens per Lamp: N/A  
Luminaire Lumens: 2099.5 lumens  
Efficiency: N/A  
Efficacy: 96.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	47008
5°	46973
10°	46954
15°	46499
20°	46169
25°	45710
30°	44931
35°	44196
40°	42887
45°	41431
50°	38958
55°	35268
60°	30962
65°	26073
70°	20388
75°	14297
80°	8019
85°	5598



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.2	3.9
10°-20°	231.3	11.0
20°-30°	347.9	16.6
30°-40°	412.4	19.6
40°-50°	410.3	19.5
50°-60°	330.8	15.8
60°-70°	200.1	9.5
70°-80°	74.3	3.5
80°-90°	11.0	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°	660.5	31.5
0°-40°	1072.9	51.1
0°-60°	1814.0	86.4
0°-90°	2099.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2099.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	858	
5°	854	81
15°	819	231
25°	756	348
35°	660	412
45°	534	410
55°	369	331
65°	201	200
75°	68	74
85°	9	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	857.5
2.5°	857.5
5°	853.6
7.5°	851.2
10°	843.5
12.5°	830.7
15°	819.3
17.5°	806.7
20°	791.4
22.5°	776.0
25°	755.7
27.5°	734.1
30°	709.8
32.5°	687.0
35°	660.4
37.5°	632.4
40°	599.3
42.5°	567.3
45°	534.4
47.5°	497.4
50°	456.8
52.5°	414.7
55°	369.0
57.5°	328.2
60°	282.4
62.5°	241.8
65°	201.0
67.5°	162.8
70°	127.2
72.5°	95.5
75°	67.5
77.5°	43.3
80°	25.4
82.5°	15.2
85°	8.9
87.5°	3.8
90°	0.0



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— 0°-180°







(END OF REPORT)