

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: P844133

Luminaire Tested: **LD6C20DE010B35 EU6C20B35 6LBCSMW**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844133  
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: LD6C20DE010B35 EU6C20B35 6LBCSMW  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

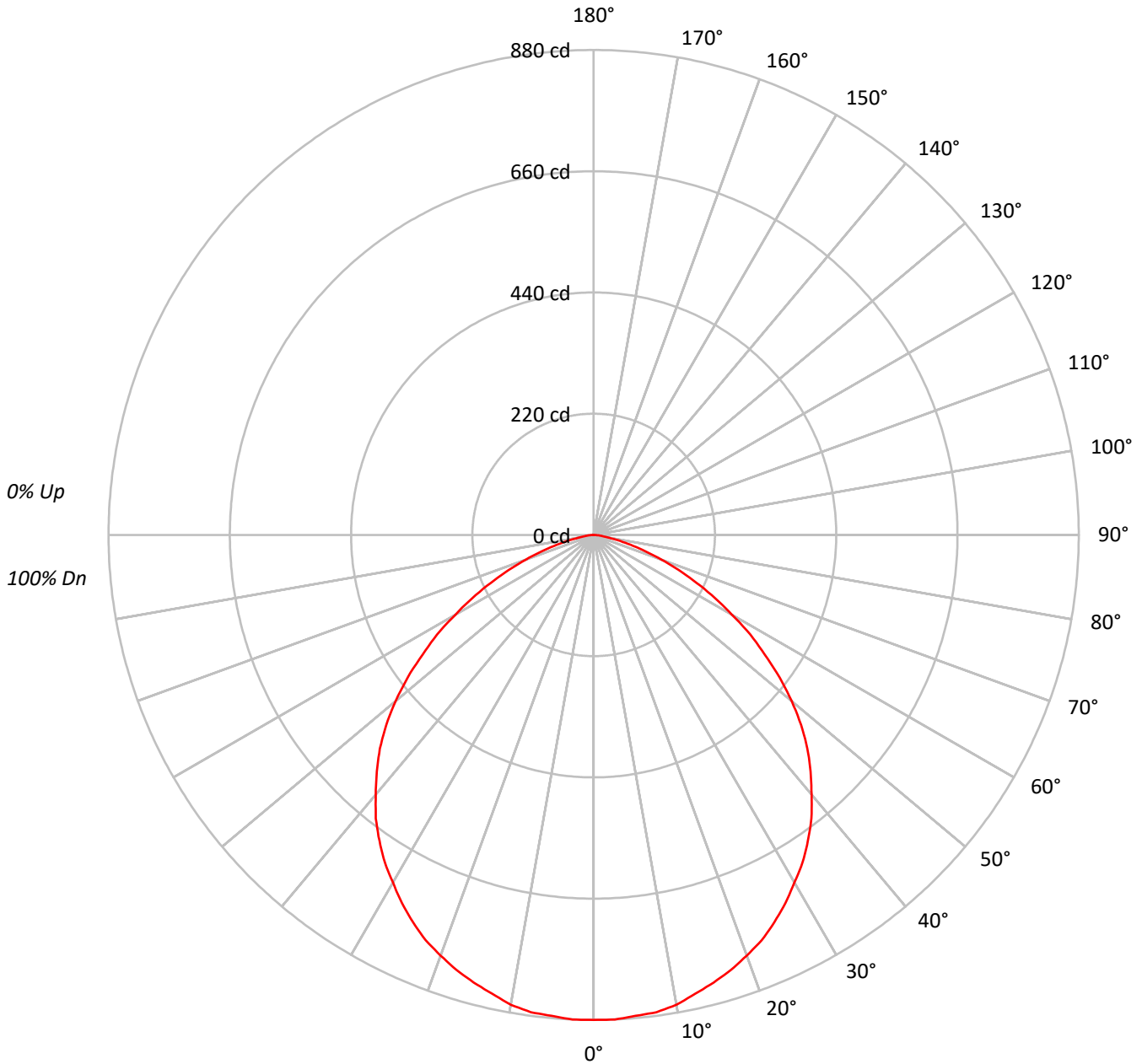
Lumens per Lamp: N/A  
Luminaire Lumens: 2154.4 lumens  
Efficiency: N/A  
Efficacy: 98.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	48247
5°	48200
10°	48184
15°	47719
20°	47382
25°	46908
30°	46108
35°	45347
40°	44011
45°	42516
50°	39973
55°	36185
60°	31774
65°	26747
70°	20933
75°	14678
80°	8208
85°	5724



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.4	3.9
10°-20°	237.4	11.0
20°-30°	357.0	16.6
30°-40°	423.2	19.6
40°-50°	421.1	19.5
50°-60°	339.5	15.8
60°-70°	205.4	9.5
70°-80°	76.3	3.5
80°-90°	11.3	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°	677.8	31.5
0°-40°	1100.9	51.1
0°-60°	1861.5	86.4
0°-90°	2154.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2154.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	880	
5°	876	83
15°	841	237
25°	776	357
35°	678	423
45°	548	421
55°	379	339
65°	206	205
75°	69	76
85°	9	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	880.1
2.5°	880.1
5°	875.9
7.5°	873.5
10°	865.6
12.5°	852.5
15°	840.8
17.5°	827.7
20°	812.2
22.5°	796.3
25°	775.5
27.5°	753.2
30°	728.4
32.5°	705.0
35°	677.6
37.5°	649.0
40°	615.0
42.5°	582.2
45°	548.4
47.5°	510.4
50°	468.7
52.5°	425.6
55°	378.6
57.5°	336.9
60°	289.8
62.5°	248.1
65°	206.2
67.5°	167.1
70°	130.6
72.5°	98.0
75°	69.3
77.5°	44.4
80°	26.0
82.5°	15.7
85°	9.1
87.5°	3.8
90°	0.0



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— 0°-180°







(END OF REPORT)