

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: P844137

Luminaire Tested: **LD6C20DE010B35 EU6C20B35 6LBMB**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844137  
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: LD6C20DE010B35 EU6C20B35 6LBMB  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

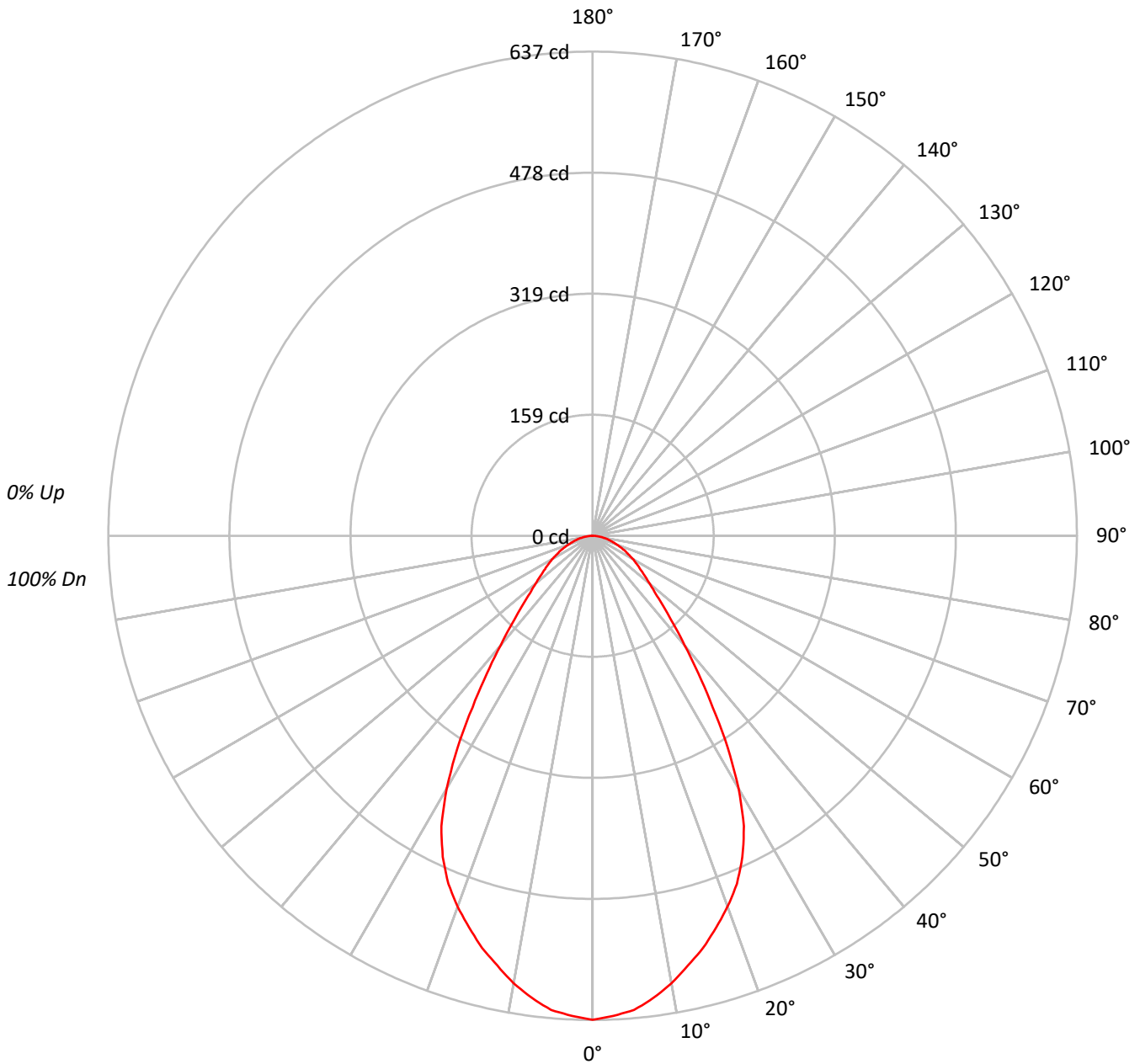
Lumens per Lamp: N/A  
Luminaire Lumens: 853.5 lumens  
Efficiency: N/A  
Efficacy: 39.2 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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			100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			89
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			64
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			48
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			41
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			38

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

	0°
0°	34909
5°	34460
10°	33288
15°	31867
20°	30289
25°	28199
30°	24289
35°	18437
40°	13482
45°	10226
50°	8332
55°	7312
60°	6710
65°	6110
70°	5482
75°	4999
80°	4483
85°	3711



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.8	6.9
10°-20°	157.6	18.5
20°-30°	211.6	24.8
30°-40°	173.6	20.3
40°-50°	104.2	12.2
50°-60°	69.3	8.1
60°-70°	46.4	5.4
70°-80°	25.0	2.9
80°-90°	7.0	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°	428.0	50.1
0°-40°	601.6	70.5
0°-60°	775.1	90.8
0°-90°	853.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	853.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	637	
5°	626	59
15°	562	158
25°	466	212
35°	276	174
45°	132	104
55°	76	69
65°	47	46
75°	24	25
85°	6	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	636.8
2.5°	632.1
5°	626.2
7.5°	613.3
10°	598.0
12.5°	579.2
15°	561.5
17.5°	540.3
20°	519.2
22.5°	495.6
25°	466.2
27.5°	430.9
30°	383.7
32.5°	330.8
35°	275.5
37.5°	228.3
40°	188.4
42.5°	156.5
45°	131.9
47.5°	111.8
50°	97.7
52.5°	86.0
55°	76.5
57.5°	68.3
60°	61.2
62.5°	53.0
65°	47.1
67.5°	40.0
70°	34.2
72.5°	28.2
75°	23.6
77.5°	18.8
80°	14.2
82.5°	10.6
85°	5.9
87.5°	2.3
90°	0.0



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— 0°-180°







(END OF REPORT)