

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: P844142

Luminaire Tested: **LD6C20DE010B35 EU6C20B35 6LBNH**

Issue Date: 2/17/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P844142  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C20DE010B35 EU6C20B35 6LBNH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

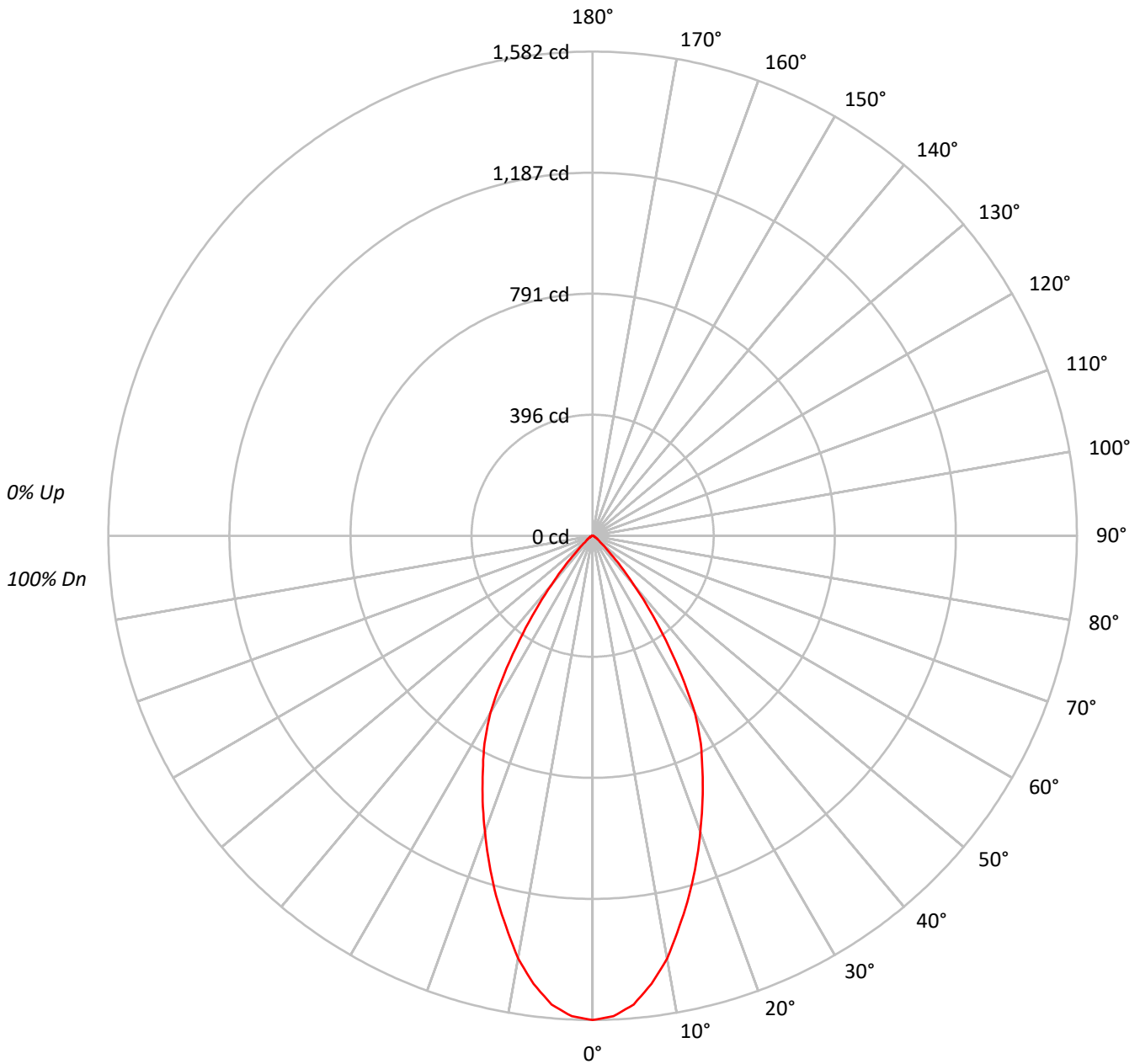
Lumens per Lamp: N/A  
Luminaire Lumens: 1234.2 lumens  
Efficiency: N/A  
Efficacy: 56.6 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P844142

CATALOG NUMBER: LD6C20DE010B35 EU6C20B35 6LBNH

### Luminous Intensity Polar Plot





TEST NUMBER: P844142

CATALOG NUMBER: LD6C20DE010B35 EU6C20B35 6LBNH

**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	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54			
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51			

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

	0°
0°	86736
5°	84591
10°	78049
15°	69098
20°	59995
25°	51317
30°	42310
35°	27867
40°	14978
45°	6636
50°	2686
55°	1940
60°	1228
65°	882
70°	721
75°	466
80°	695
85°	0



TEST NUMBER: P844142

CATALOG NUMBER: LD6C20DE010B35 EU6C20B35 6LBNH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.3	11.5
10°-20°	339.3	27.5
20°-30°	388.7	31.5
30°-40°	261.2	21.2
40°-50°	74.6	6.0
50°-60°	18.3	1.5
60°-70°	6.9	0.6
70°-80°	2.6	0.2
80°-90°	0.3	0.0
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°	870.3	70.5
0°-40°	1131.4	91.7
0°-60°	1224.3	99.2
0°-90°	1234.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1234.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1582	
5°	1537	142
15°	1218	339
25°	848	389
35°	416	261
45°	86	75
55°	20	18
65°	7	7
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P844142

CATALOG NUMBER: LD6C20DE010B35 EU6C20B35 6LBNH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1582.2
2.5°	1571.0
5°	1537.2
7.5°	1476.4
10°	1402.1
12.5°	1307.6
15°	1217.5
17.5°	1123.1
20°	1028.4
22.5°	938.5
25°	848.4
27.5°	765.2
30°	668.4
32.5°	540.1
35°	416.4
37.5°	303.9
40°	209.3
42.5°	137.3
45°	85.6
47.5°	51.7
50°	31.5
52.5°	24.7
55°	20.3
57.5°	15.8
60°	11.2
62.5°	9.0
65°	6.8
67.5°	4.5
70°	4.5
72.5°	2.2
75°	2.2
77.5°	2.2
80°	2.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)