

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P203030

Luminaire Tested: **LE\_6B20D010 EC6B10208030 6LBWB1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203030  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LE\_6B20D010 EC6B10208030 6LBWB1  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE DISTRIBUTION WITH SPECULAR BLACK TRIM  
WATTAGE D010TR-21.86 W DE010-20.46 W D5LT-21.24 W DMX-20.89 W DL2-22.5 W  
DL3-21.8 6 W DLE-22.46 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1433.2 lumens  
Efficiency: N/A  
Efficacy: 68.9 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.08  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

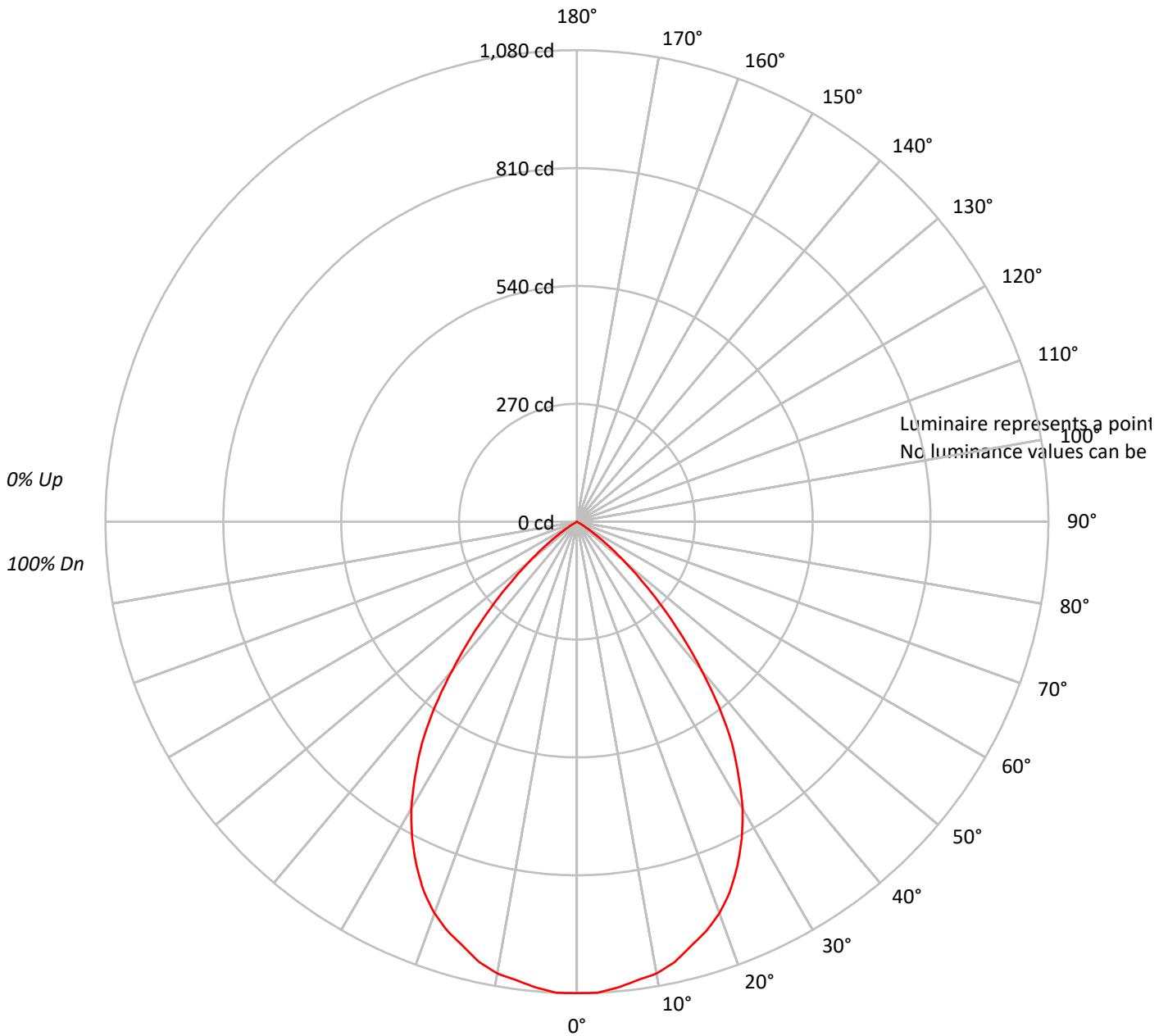
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P203030

CATALOG NUMBER: LE\_6B20D010 EC6B10208030 6LBWB1

### Luminous Intensity Polar Plot





TEST NUMBER: P203030

CATALOG NUMBER: LE\_6B20D010 EC6B10208030 6LBWB1

**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	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92	92	92	92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84	84	84	84
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77	77	77	77
4	94	86	79	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70	70	70	70
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64	64	64	64
6	83	73	67	62	82	72	66	61	71	65	61	69	64	61	68	64	60	59	59	59	59
7	78	68	61	56	77	67	61	56	66	60	56	65	60	56	63	59	55	54	54	54	54
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50	50	50	50
9	70	59	52	48	69	58	52	48	57	52	48	57	51	47	56	51	47	46	46	46	46
10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	42	42	42	42

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





TEST NUMBER: P203030

CATALOG NUMBER: LE\_6B20D010 EC6B10208030 6LBWB1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.6	7.1
10°-20°	284.0	19.8
20°-30°	397.8	27.8
30°-40°	379.9	26.5
40°-50°	216.4	15.1
50°-60°	52.9	3.7
60°-70°	0.7	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	783.3	54.7
0°-40°	1163.2	81.2
0°-60°	1432.5	100.0
0°-90°	1433.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1433.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1080	
5°	1071	102
15°	1007	284
25°	870	398
35°	619	380
45°	277	216
55°	52	53
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P203030

CATALOG NUMBER: LE\_6B20D010 EC6B10208030 6LBWB1

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1080.1
2.5°	1080.1
5°	1071.4
7.5°	1059.6
10°	1050.9
12.5°	1033.4
15°	1007.1
17.5°	983.8
20°	954.5
22.5°	916.6
25°	869.9
27.5°	817.4
30°	759.0
32.5°	688.9
35°	618.9
37.5°	534.2
40°	443.8
42.5°	359.0
45°	277.4
47.5°	204.4
50°	143.0
52.5°	90.5
55°	52.5
57.5°	23.4
60°	5.9
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)