

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: P203243

Luminaire Tested: **LE\_6B20D010 EC6B10209035 6LBMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203243  
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 EC6B10209035 6LBMH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR 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: 1613.2 lumens  
Efficiency: N/A  
Efficacy: 77.6 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

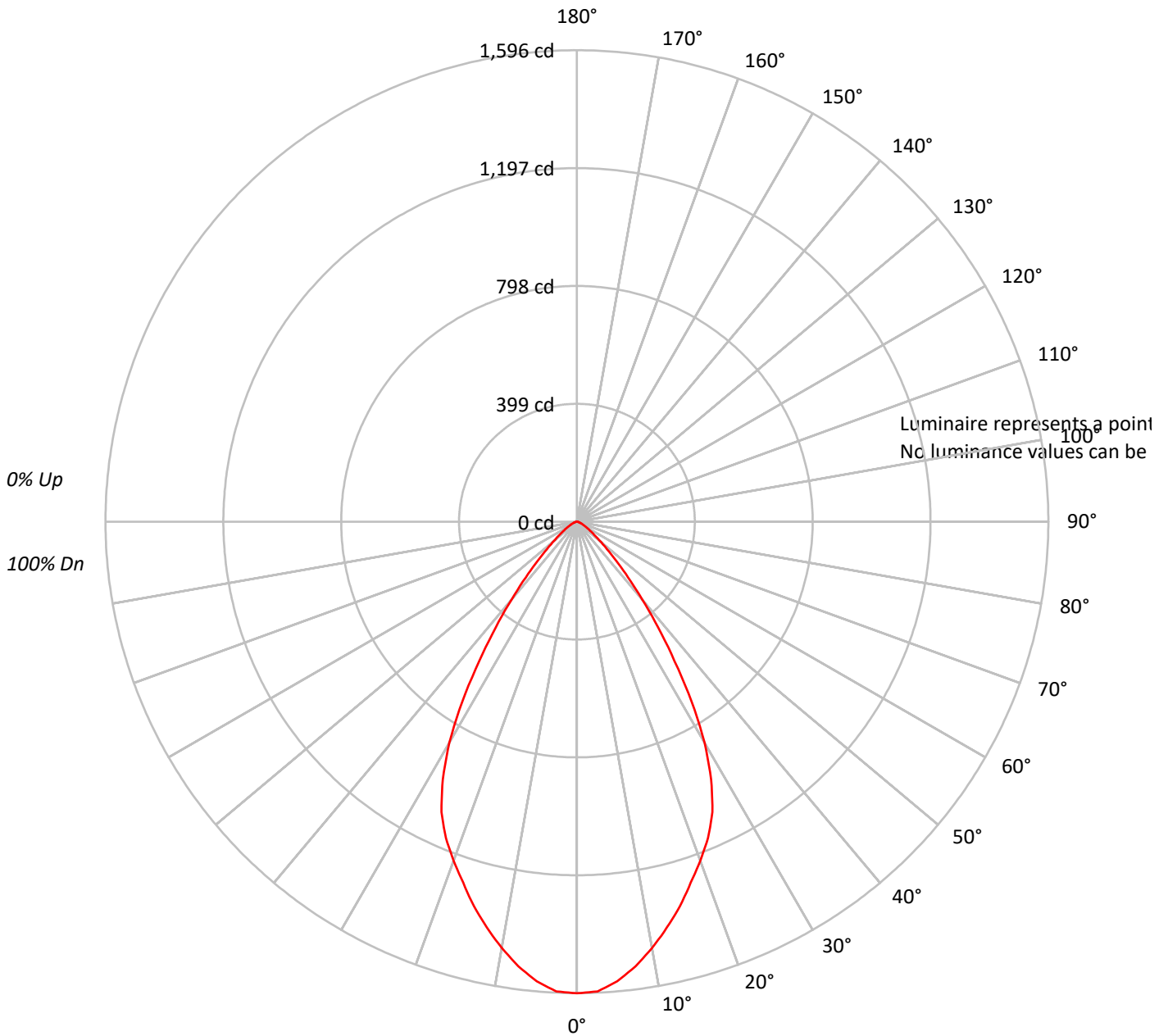
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P203243

CATALOG NUMBER: LE\_6B20D010 EC6B10209035 6LBMH1

### Luminous Intensity Polar Plot





TEST NUMBER: P203243

CATALOG NUMBER: LE\_6B20D010 EC6B10209035 6LBMH1

**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	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92			
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85			
3	101	94	88	84	99	92	88	84	90	86	82	87	84	81	85	82	80	78			
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72			
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66			
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53			
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49			
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46			

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





TEST NUMBER: P203243

CATALOG NUMBER: LE\_6B20D010 EC6B10209035 6LBMH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.0	9.0
10°-20°	377.6	23.4
20°-30°	489.3	30.3
30°-40°	363.3	22.5
40°-50°	153.4	9.5
50°-60°	54.5	3.4
60°-70°	21.0	1.3
70°-80°	7.3	0.4
80°-90°	0.9	0.1
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°	1013.0	62.8
0°-40°	1376.2	85.3
0°-60°	1584.1	98.2
0°-90°	1613.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1613.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1596	
5°	1562	146
15°	1348	378
25°	1085	489
35°	576	363
45°	189	153
55°	58	54
65°	21	21
75°	7	7
85°	0	1
90°	0	



TEST NUMBER: P203243

CATALOG NUMBER: LE\_6B20D010 EC6B10209035 6LBMH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1596.5
2.5°	1591.9
5°	1562.0
7.5°	1518.2
10°	1465.2
12.5°	1407.6
15°	1347.8
17.5°	1280.9
20°	1221.0
22.5°	1158.9
25°	1085.1
27.5°	983.8
30°	863.9
32.5°	723.4
35°	576.0
37.5°	451.5
40°	343.2
42.5°	255.8
45°	188.9
47.5°	138.2
50°	101.4
52.5°	76.0
55°	57.6
57.5°	43.8
60°	34.5
62.5°	25.4
65°	20.8
67.5°	16.1
70°	11.5
72.5°	9.2
75°	6.9
77.5°	4.6
80°	2.2
82.5°	2.2
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)