

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: P202622

Luminaire Tested: **LE\_6B20D010 EC6B10209024 6LBMWMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202622  
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 EC6B10209024 6LBMWMH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH WARM HAZE 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: 1444.0 lumens  
Efficiency: N/A  
Efficacy: 69.4 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.89  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

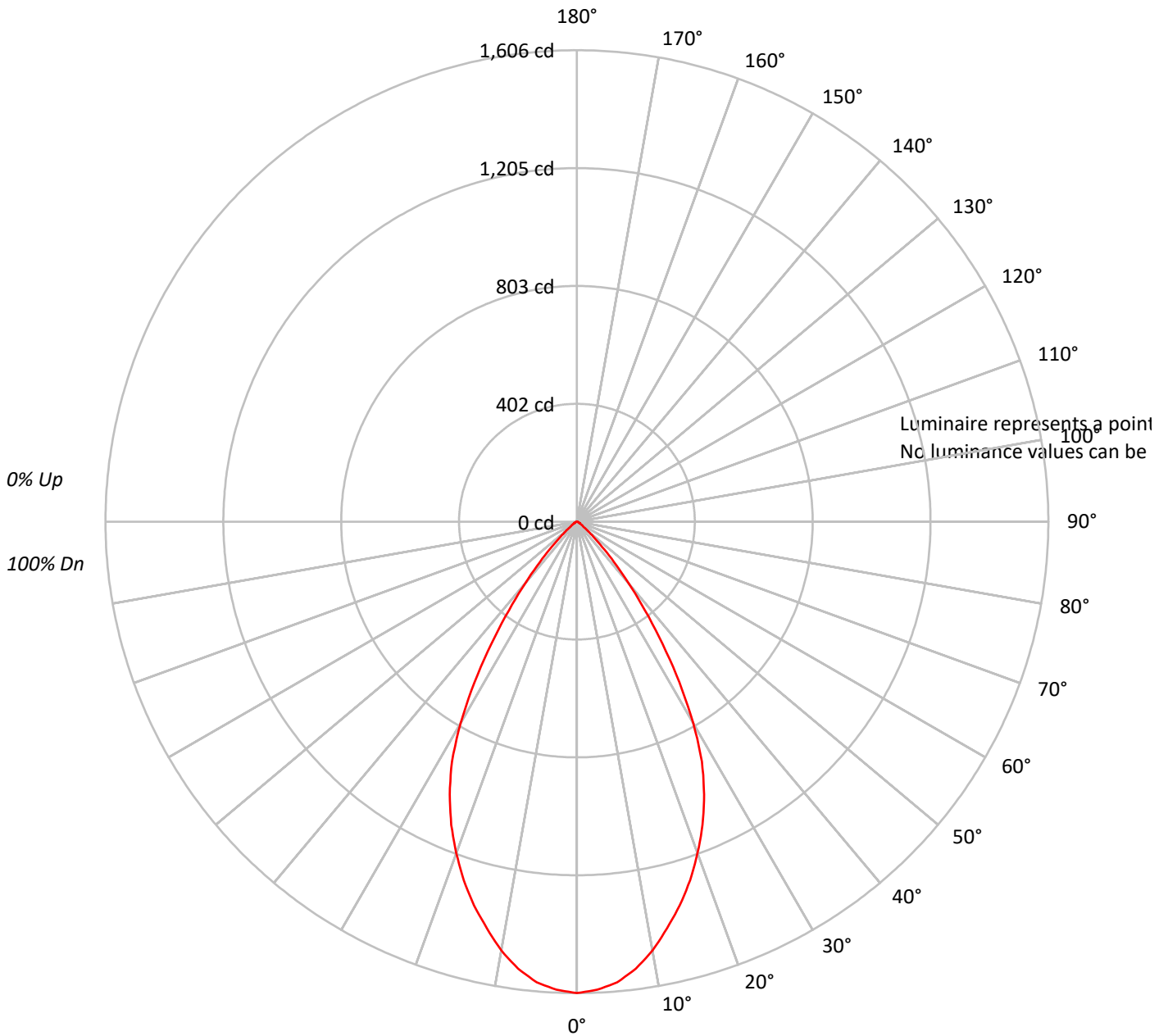
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P202622

CATALOG NUMBER: LE\_6B20D010 EC6B10209024 6LBMWMH1

### Luminous Intensity Polar Plot





TEST NUMBER: P202622

CATALOG NUMBER: LE\_6B20D010 EC6B10209024 6LBMWMH1

**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	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86			
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74			
5	92	83	77	73	90	82	77	73	80	76	72	79	75	71	77	74	71	69			
6	87	78	72	67	85	77	71	67	76	71	67	74	70	66	73	69	66	64			
7	83	73	67	63	81	72	67	63	71	66	62	70	65	62	69	65	61	60			
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56			
9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	62	57	54	53			
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50			

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





TEST NUMBER: P202622

CATALOG NUMBER: LE\_6B20D010 EC6B10209024 6LBMWMH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.4	10.2
10°-20°	378.3	26.2
20°-30°	464.7	32.2
30°-40°	318.7	22.1
40°-50°	102.4	7.1
50°-60°	20.8	1.4
60°-70°	8.2	0.6
70°-80°	3.1	0.2
80°-90°	0.5	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°	990.4	68.6
0°-40°	1309.1	90.7
0°-60°	1432.2	99.2
0°-90°	1444.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1444.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1606	
5°	1575	147
15°	1354	378
25°	1025	465
35°	508	319
45°	121	102
55°	21	21
65°	9	8
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P202622

CATALOG NUMBER: LE\_6B20D010 EC6B10209024 6LBMWMH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1605.8
2.5°	1596.0
5°	1575.1
7.5°	1536.0
10°	1483.2
12.5°	1418.4
15°	1353.5
17.5°	1281.2
20°	1201.6
22.5°	1118.2
25°	1025.2
27.5°	922.4
30°	792.5
32.5°	649.1
35°	508.4
37.5°	379.8
40°	273.1
42.5°	186.1
45°	121.2
47.5°	74.8
50°	45.4
52.5°	28.1
55°	20.9
57.5°	15.9
60°	12.2
62.5°	9.8
65°	8.6
67.5°	6.1
70°	4.9
72.5°	3.6
75°	2.5
77.5°	2.5
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)