

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: P204688

Luminaire Tested: **LE\_6B20D010 EC6B10209040 6LBPSMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204688  
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 EC6B10209040 6LBPSMW1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH PLASTIC MATTE WHITE 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: 2480.4 lumens  
Efficiency: N/A  
Efficacy: 119.3 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

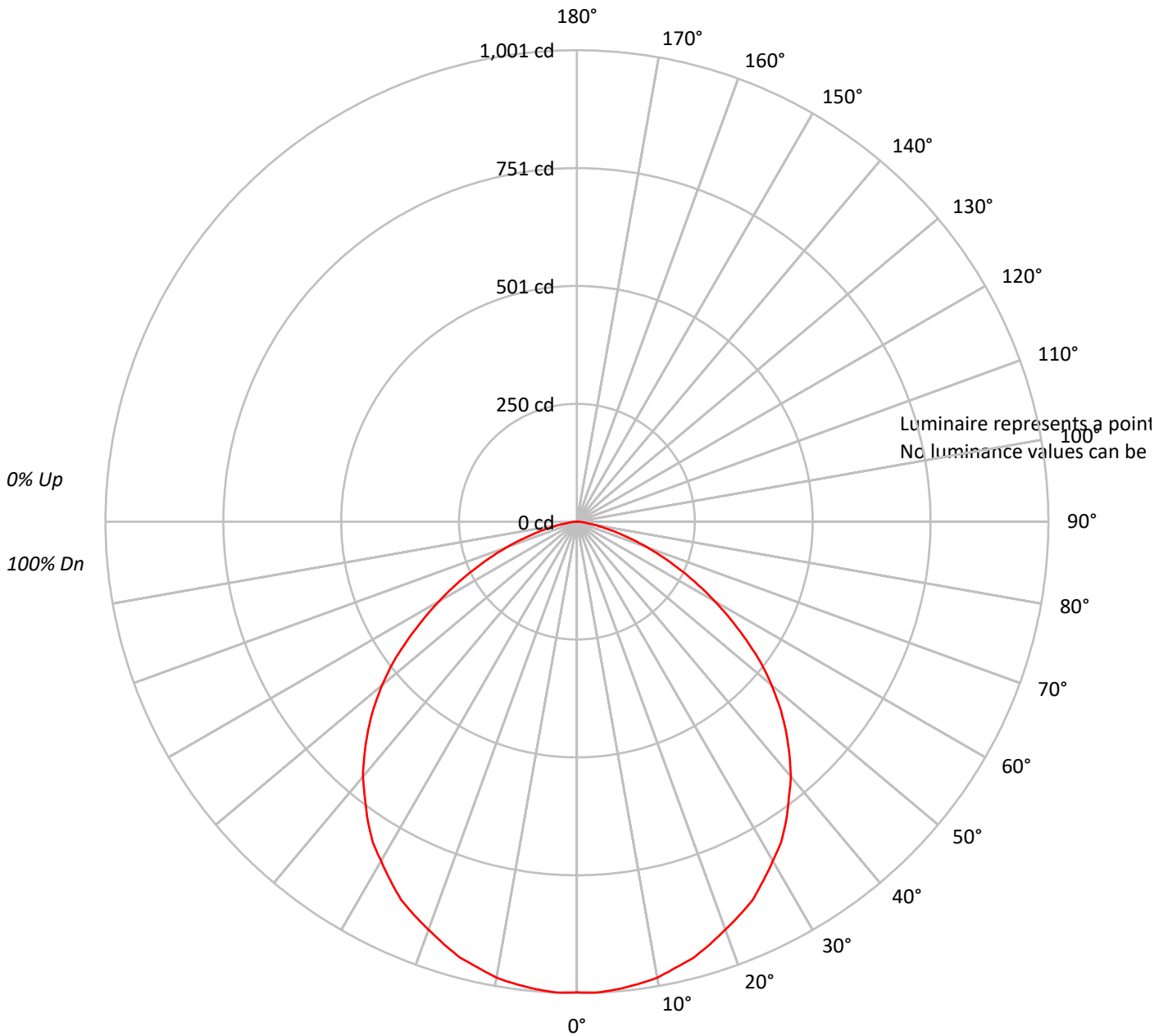
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P204688

CATALOG NUMBER: LE\_6B20D010 EC6B10209040 6LBPSMW1

### Luminous Intensity Polar Plot





TEST NUMBER: P204688

CATALOG NUMBER: LE\_6B20D010 EC6B10209040 6LBPSMW1

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86				86
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74				74
3	93	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63				63
4	85	74	66	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54				54
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	49	47				47
6	73	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42				42
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37				37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33				33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30				30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27				27

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





TEST NUMBER: P204688

CATALOG NUMBER: LE\_6B20D010 EC6B10209040 6LBPSMW1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.7	3.8
10°-20°	269.9	10.9
20°-30°	406.5	16.4
30°-40°	483.7	19.5
40°-50°	482.8	19.5
50°-60°	392.7	15.8
60°-70°	241.5	9.7
70°-80°	93.6	3.8
80°-90°	15.0	0.6
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°	771.1	31.1
0°-40°	1254.8	50.6
0°-60°	2130.3	85.9
0°-90°	2480.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2480.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	999	
5°	996	95
15°	958	270
25°	885	407
35°	774	484
45°	628	483
55°	439	393
65°	242	242
75°	85	94
85°	12	15
90°	0	



TEST NUMBER: P204688

CATALOG NUMBER: LE\_6B20D010 EC6B10209040 6LBPSMW1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	999.4
2.5°	1000.9
5°	996.4
7.5°	990.5
10°	983.2
12.5°	970.0
15°	958.2
17.5°	940.6
20°	921.5
22.5°	903.9
25°	884.8
27.5°	858.2
30°	831.9
32.5°	806.9
35°	774.5
37.5°	739.2
40°	706.9
42.5°	667.2
45°	627.5
47.5°	584.9
50°	539.4
52.5°	492.4
55°	439.4
57.5°	388.0
60°	338.0
62.5°	289.5
65°	242.5
67.5°	198.4
70°	157.2
72.5°	119.0
75°	85.2
77.5°	55.9
80°	33.8
82.5°	20.6
85°	11.8
87.5°	5.9
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)