

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: P204138

Luminaire Tested: **LE\_6B10D010 EC6B10208030 6LBSH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204138  
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\_6B10D010 EC6B10208030 6LBSH1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM  
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W  
DL3-11.1 W DLE-11.39 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1383.7 lumens  
Efficiency: N/A  
Efficacy: 139.8 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

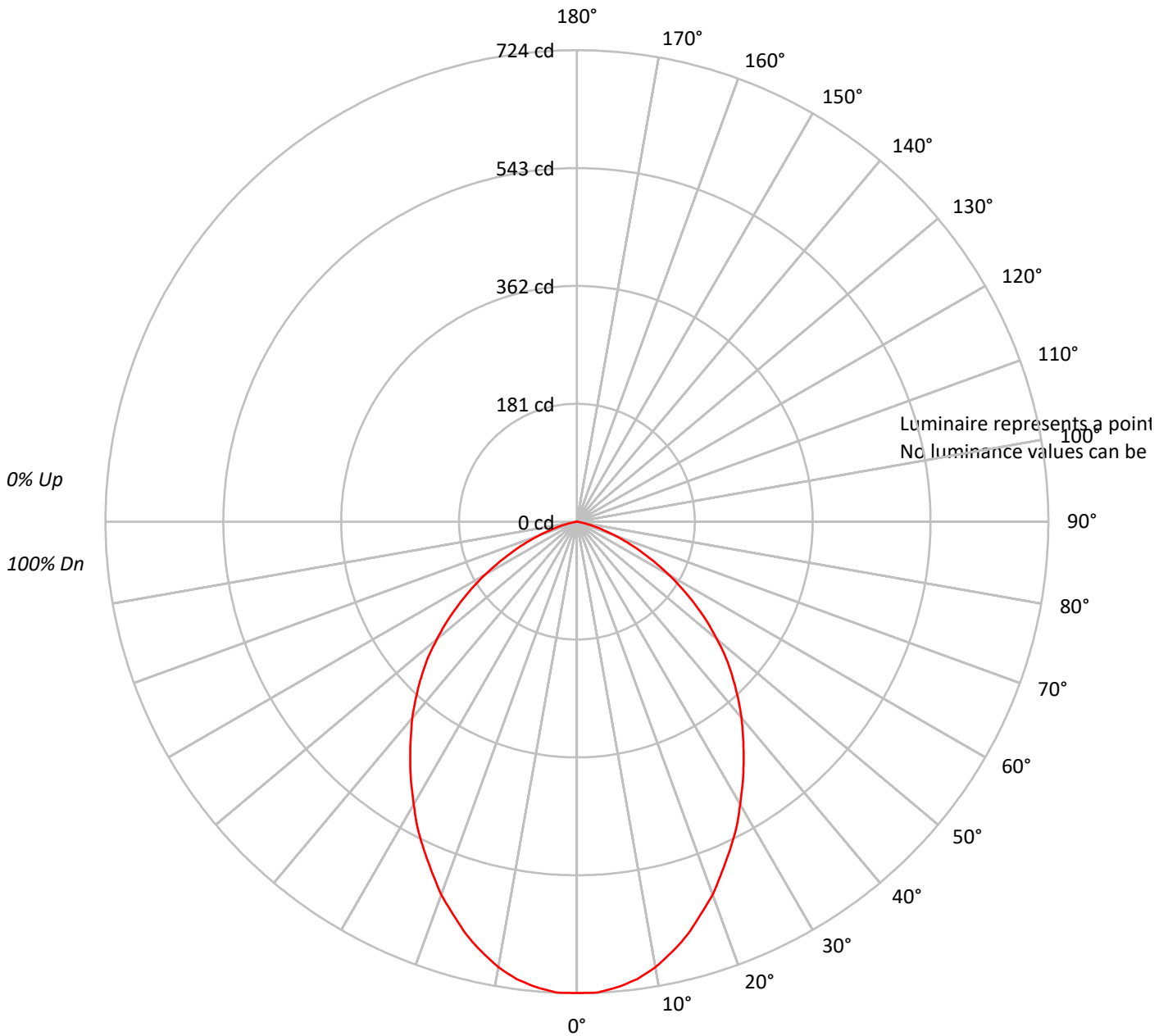
Input Watts (W): 9.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P204138

CATALOG NUMBER: LE\_6B10D010 EC6B10208030 6LBSH1

### Luminous Intensity Polar Plot





TEST NUMBER: P204138

CATALOG NUMBER: LE\_6B10D010 EC6B10208030 6LBSH1

**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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77		
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67		
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58		
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51		
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46		
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41		
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37		
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34		
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31		

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





TEST NUMBER: P204138

CATALOG NUMBER: LE\_6B10D010 EC6B10208030 6LBSH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.8	4.9
10°-20°	184.2	13.3
20°-30°	255.9	18.5
30°-40°	279.2	20.2
40°-50°	260.5	18.8
50°-60°	197.7	14.3
60°-70°	108.2	7.8
70°-80°	29.8	2.2
80°-90°	0.4	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°	507.9	36.7
0°-40°	787.1	56.9
0°-60°	1245.3	90.0
0°-90°	1383.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1383.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	724	
5°	718	68
15°	657	184
25°	556	256
35°	446	279
45°	338	260
55°	221	198
65°	108	108
75°	26	30
85°	0	0
90°	0	



TEST NUMBER: P204138

CATALOG NUMBER: LE\_6B10D010 EC6B10208030 6LBSH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	723.8
2.5°	723.8
5°	717.6
7.5°	708.5
10°	694.8
12.5°	676.5
15°	656.6
17.5°	632.2
20°	609.5
22.5°	582.0
25°	556.1
27.5°	530.2
30°	501.2
32.5°	473.9
35°	446.4
37.5°	419.0
40°	393.1
42.5°	365.6
45°	338.2
47.5°	310.9
50°	280.4
52.5°	251.4
55°	220.9
57.5°	192.0
60°	163.0
62.5°	134.1
65°	108.1
67.5°	83.8
70°	62.5
72.5°	42.6
75°	25.9
77.5°	12.2
80°	3.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)