

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: P204470

Luminaire Tested: **LE\_6B15D010 EC6B10209730 6LBSB1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204470  
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\_6B15D010 EC6B10209730 6LBSB1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH SPECULAR BLACK TRIM  
WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W  
DL3-15.28 W DLE-15.432 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1252.0 lumens  
Efficiency: N/A  
Efficacy: 87.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.3  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

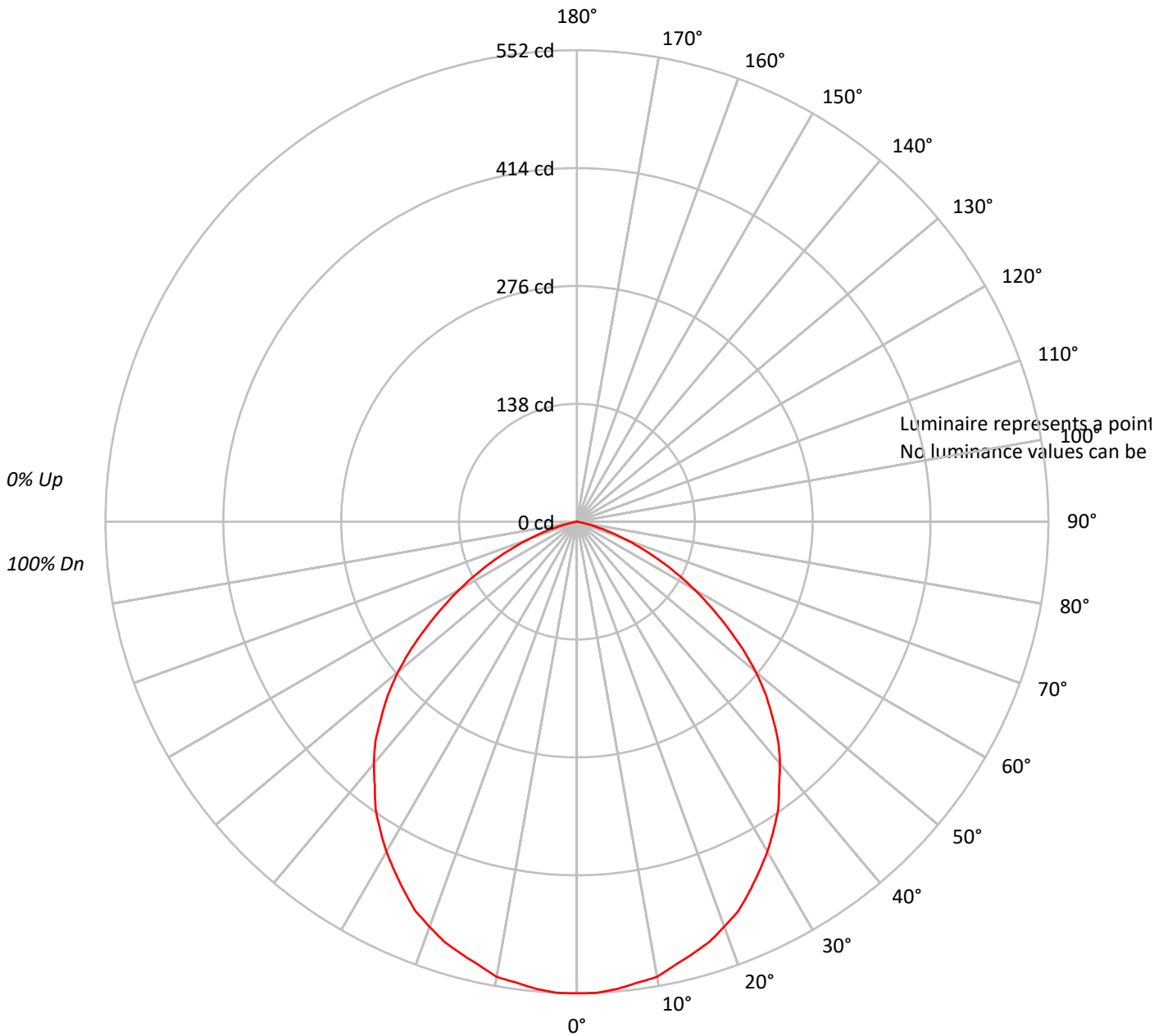
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P204470

CATALOG NUMBER: LE\_6B15D010 EC6B10209730 6LBSB1

### Luminous Intensity Polar Plot





TEST NUMBER: P204470

CATALOG NUMBER: LE\_6B15D010 EC6B10209730 6LBSB1

**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	111	107	103	100	108	105	101	98	100	98	95	97	94	93	93	91	90	88				88
2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	84	80	78	76				76
3	94	84	77	72	91	83	76	71	80	74	70	77	73	69	75	71	67	65				65
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57				57
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50				50
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44				44
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39				39
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35				35
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32				32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29				29

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





TEST NUMBER: P204470

CATALOG NUMBER: LE\_6B15D010 EC6B10209730 6LBSB1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.1	4.2
10°-20°	147.9	11.8
20°-30°	220.0	17.6
30°-40°	256.0	20.4
40°-50°	249.6	19.9
50°-60°	191.9	15.3
60°-70°	106.1	8.5
70°-80°	28.1	2.2
80°-90°	0.2	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°	420.1	33.6
0°-40°	676.1	54.0
0°-60°	1117.6	89.3
0°-90°	1252.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1252.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	552	
5°	549	52
15°	524	148
25°	478	220
35°	411	256
45°	324	250
55°	214	192
65°	106	106
75°	24	28
85°	0	0
90°	0	



TEST NUMBER: P204470

CATALOG NUMBER: LE\_6B15D010 EC6B10209730 6LBSB1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	552.2
2.5°	552.2
5°	549.1
7.5°	544.4
10°	541.1
12.5°	531.6
15°	523.8
17.5°	515.8
20°	504.6
22.5°	493.6
25°	477.8
27.5°	461.9
30°	446.0
32.5°	428.5
35°	411.0
37.5°	388.9
40°	369.8
42.5°	349.1
45°	323.8
47.5°	300.0
50°	273.0
52.5°	244.4
55°	214.2
57.5°	185.6
60°	158.8
62.5°	131.8
65°	106.4
67.5°	82.5
70°	60.2
72.5°	41.2
75°	23.8
77.5°	11.1
80°	1.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)