

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: P203263

Luminaire Tested: **LE\_6B40D010 EC6B30508035 6LBMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203263  
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\_6B40D010 EC6B30508035 6LBMH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM  
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57  
W DL3-44.71 W DLE-39.33 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3911.6 lumens  
Efficiency: N/A  
Efficacy: 93.6 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

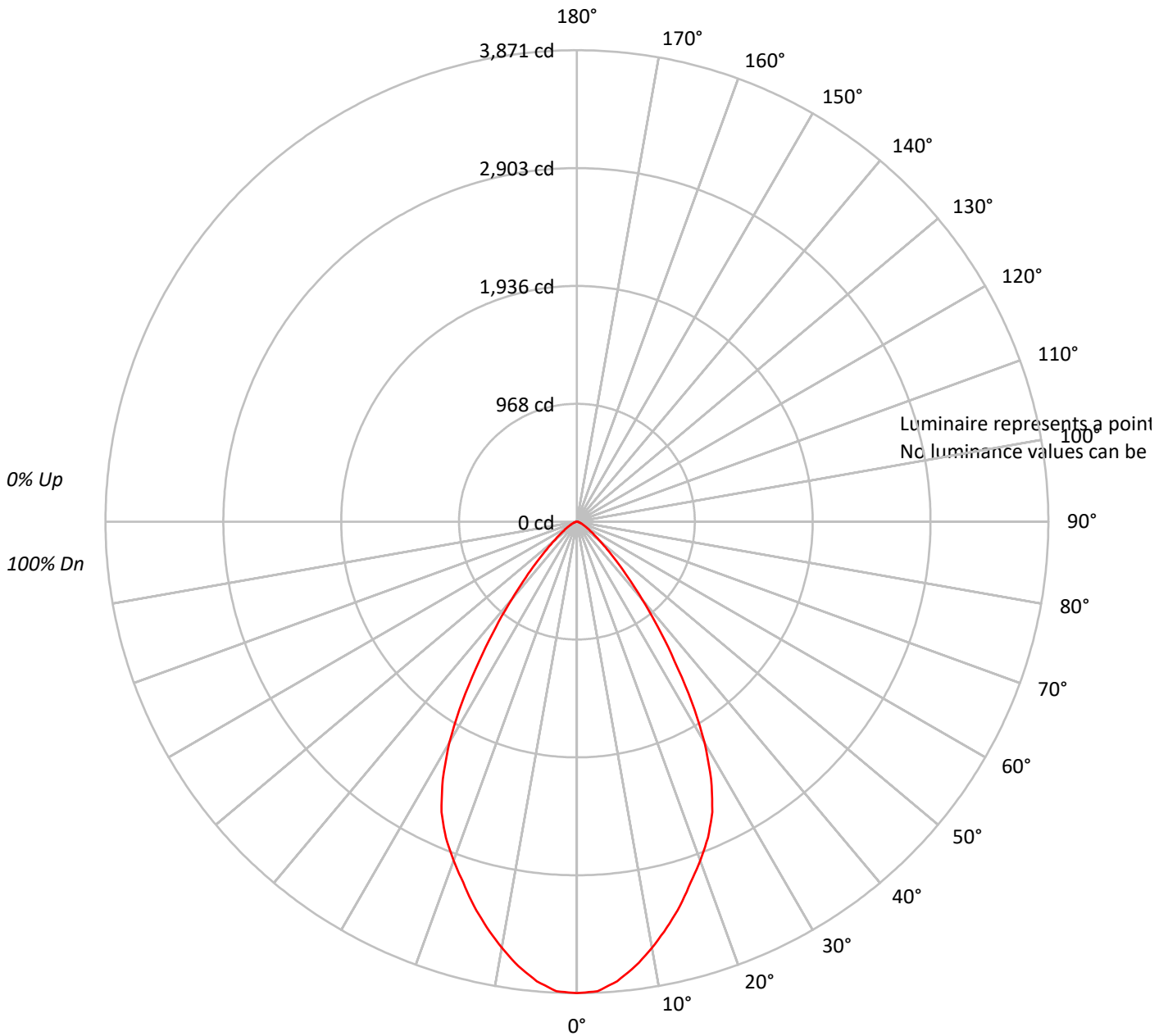
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P203263

CATALOG NUMBER: LE\_6B40D010 EC6B30508035 6LBMH1

### Luminous Intensity Polar Plot





TEST NUMBER: P203263

CATALOG NUMBER: LE\_6B40D010 EC6B30508035 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	100	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92	92	92	92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72	72	72	72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61	61	61	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53	53	53	53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49	49	49	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46	46	46	46

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





TEST NUMBER: P203263

CATALOG NUMBER: LE\_6B40D010 EC6B30508035 6LBMH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	353.9	9.0
10°-20°	915.7	23.4
20°-30°	1186.4	30.3
30°-40°	880.8	22.5
40°-50°	371.8	9.5
50°-60°	132.1	3.4
60°-70°	51.0	1.3
70°-80°	17.6	0.5
80°-90°	2.3	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°	2456.0	62.8
0°-40°	3336.9	85.3
0°-60°	3840.8	98.2
0°-90°	3911.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3911.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3871	
5°	3787	354
15°	3268	916
25°	2631	1186
35°	1396	881
45°	458	372
55°	140	132
65°	50	51
75°	17	18
85°	0	2
90°	0	



TEST NUMBER: P203263

CATALOG NUMBER: LE\_6B40D010 EC6B30508035 6LBMH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3871.0
2.5°	3859.9
5°	3787.2
7.5°	3681.1
10°	3552.6
12.5°	3413.0
15°	3267.8
17.5°	3105.8
20°	2960.5
22.5°	2809.8
25°	2631.0
27.5°	2385.1
30°	2094.8
32.5°	1754.0
35°	1396.5
37.5°	1094.9
40°	832.2
42.5°	620.0
45°	458.0
47.5°	335.1
50°	245.8
52.5°	184.4
55°	139.6
57.5°	106.1
60°	83.8
62.5°	61.5
65°	50.2
67.5°	39.1
70°	27.9
72.5°	22.4
75°	16.8
77.5°	11.1
80°	5.6
82.5°	5.6
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)