

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: P203225

Luminaire Tested: **LE_6B15D010 EC6B10208040 6LBMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203225
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 EC6B10208040 6LBMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR 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: 1387.8 lumens
Efficiency: N/A
Efficacy: 97.0 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

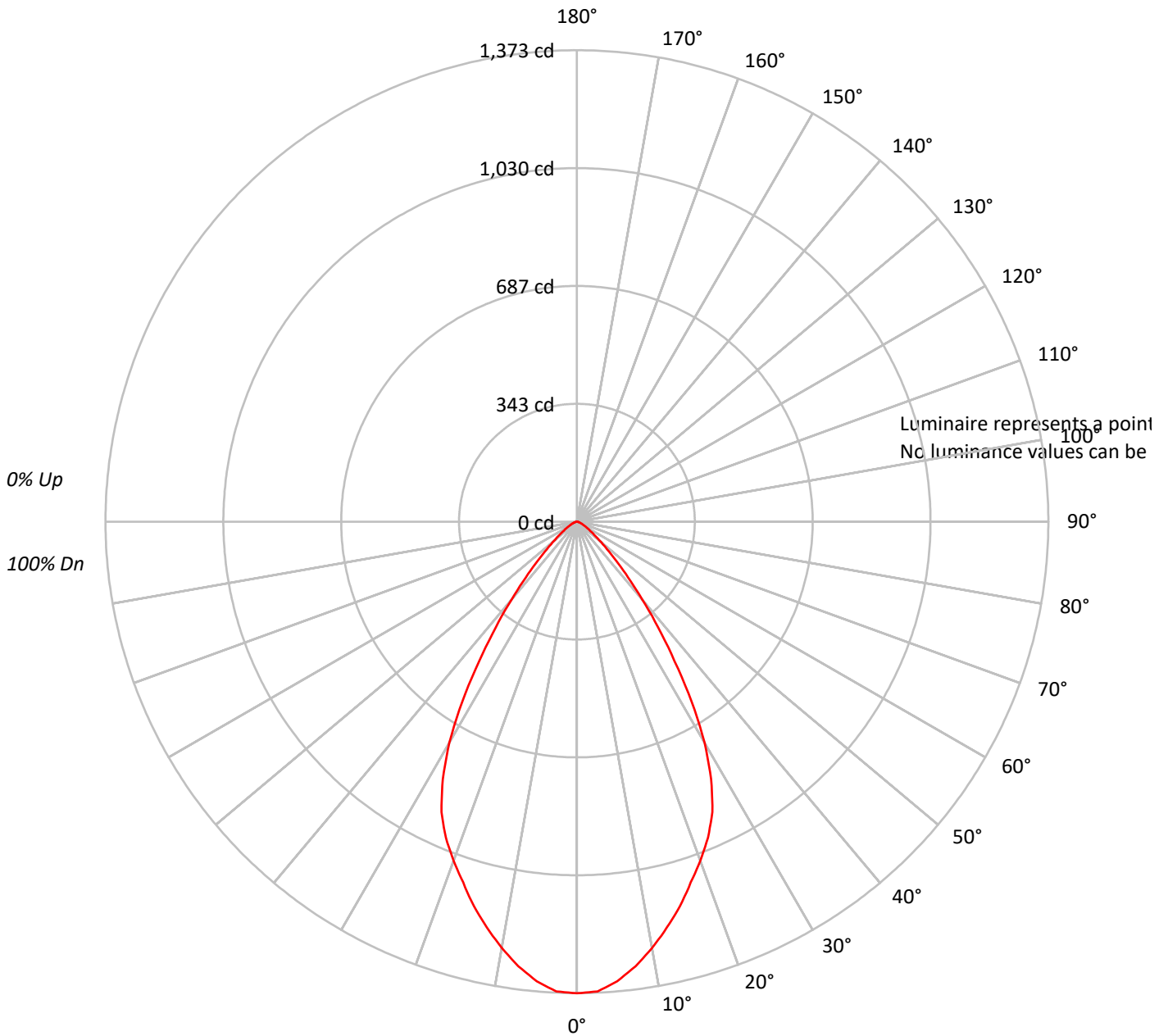
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203225

CATALOG NUMBER: LE_6B15D010 EC6B10208040 6LBMH1

Luminous Intensity Polar Plot





TEST NUMBER: P203225

CATALOG NUMBER: LE_6B15D010 EC6B10208040 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			
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92			
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72			
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66			
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53			
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49			
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203225

CATALOG NUMBER: LE_6B15D010 EC6B10208040 6LBMH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.6	9.0
10°-20°	324.9	23.4
20°-30°	420.9	30.3
30°-40°	312.5	22.5
40°-50°	131.9	9.5
50°-60°	46.8	3.4
60°-70°	18.1	1.3
70°-80°	6.3	0.5
80°-90°	0.8	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°	871.4	62.8
0°-40°	1183.8	85.3
0°-60°	1362.6	98.2
0°-90°	1387.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1387.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1373	
5°	1344	126
15°	1159	325
25°	933	421
35°	495	312
45°	162	132
55°	50	47
65°	18	18
75°	6	6
85°	0	1
90°	0	



TEST NUMBER: P203225

CATALOG NUMBER: LE_6B15D010 EC6B10208040 6LBMH1

CANDELA DISTRIBUTION (FULL):

0°	
0°	1373.4
2.5°	1369.4
5°	1343.6
7.5°	1306.0
10°	1260.4
12.5°	1210.9
15°	1159.4
17.5°	1101.9
20°	1050.4
22.5°	996.8
25°	933.4
27.5°	846.2
30°	743.1
32.5°	622.2
35°	495.4
37.5°	388.4
40°	295.2
42.5°	220.0
45°	162.5
47.5°	118.9
50°	87.2
52.5°	65.4
55°	49.5
57.5°	37.6
60°	29.8
62.5°	21.8
65°	17.9
67.5°	13.9
70°	9.9
72.5°	7.9
75°	6.0
77.5°	4.0
80°	2.0
82.5°	2.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)