

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: P203126

Luminaire Tested: **LE_6B15D010 EC6B10209030 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203126
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 EC6B10209030 6LBWMW1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH MATTE WHITE 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: 1479.9 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

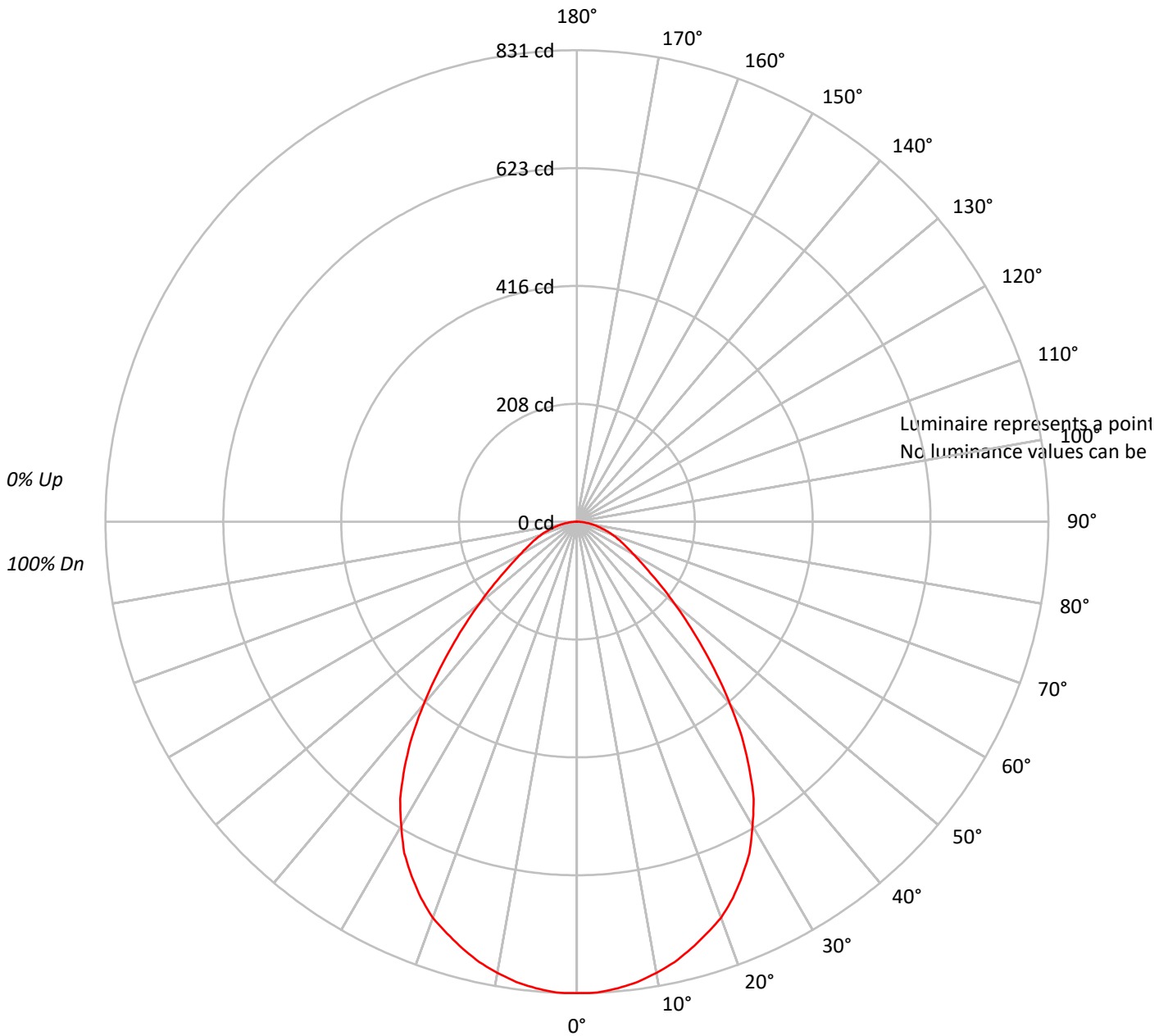
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203126

CATALOG NUMBER: LE_6B15D010 EC6B10209030 6LBWMW1

Luminous Intensity Polar Plot





TEST NUMBER: P203126

CATALOG NUMBER: LE_6B15D010 EC6B10209030 6LBWMW1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20								
RC	80									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	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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88																											
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77																											
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68																											
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60																											
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54																											
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49																											
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44																											
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40																											
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37																											
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34																											

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203126

CATALOG NUMBER: LE_6B15D010 EC6B10209030 6LBWMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.3	5.3
10°-20°	219.5	14.8
20°-30°	316.2	21.4
30°-40°	328.3	22.2
40°-50°	242.7	16.4
50°-60°	145.0	9.8
60°-70°	88.1	6.0
70°-80°	48.3	3.3
80°-90°	13.5	0.9
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°	614.0	41.5
0°-40°	942.3	63.7
0°-60°	1330.1	89.9
0°-90°	1479.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1479.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	831	
5°	826	78
15°	779	219
25°	689	316
35°	530	328
45°	312	243
55°	158	145
65°	88	88
75°	45	48
85°	11	13
90°	0	



TEST NUMBER: P203126

CATALOG NUMBER: LE_6B15D010 EC6B10209030 6LBWMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	831.0
2.5°	831.0
5°	825.6
7.5°	818.5
10°	807.6
12.5°	795.1
15°	779.0
17.5°	761.0
20°	743.1
22.5°	718.0
25°	689.2
27.5°	658.8
30°	619.2
32.5°	579.8
35°	529.5
37.5°	477.4
40°	420.0
42.5°	364.4
45°	312.2
47.5°	265.6
50°	224.4
52.5°	188.5
55°	158.0
57.5°	134.6
60°	114.9
62.5°	100.5
65°	88.0
67.5°	77.1
70°	66.4
72.5°	55.6
75°	44.9
77.5°	35.9
80°	26.9
82.5°	19.8
85°	10.8
87.5°	5.4
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)