

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: P203539

Luminaire Tested: **LE_6B15D010 EC6B10209035 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203539
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 EC6B10209035 6LBMMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM 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: 1273.3 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

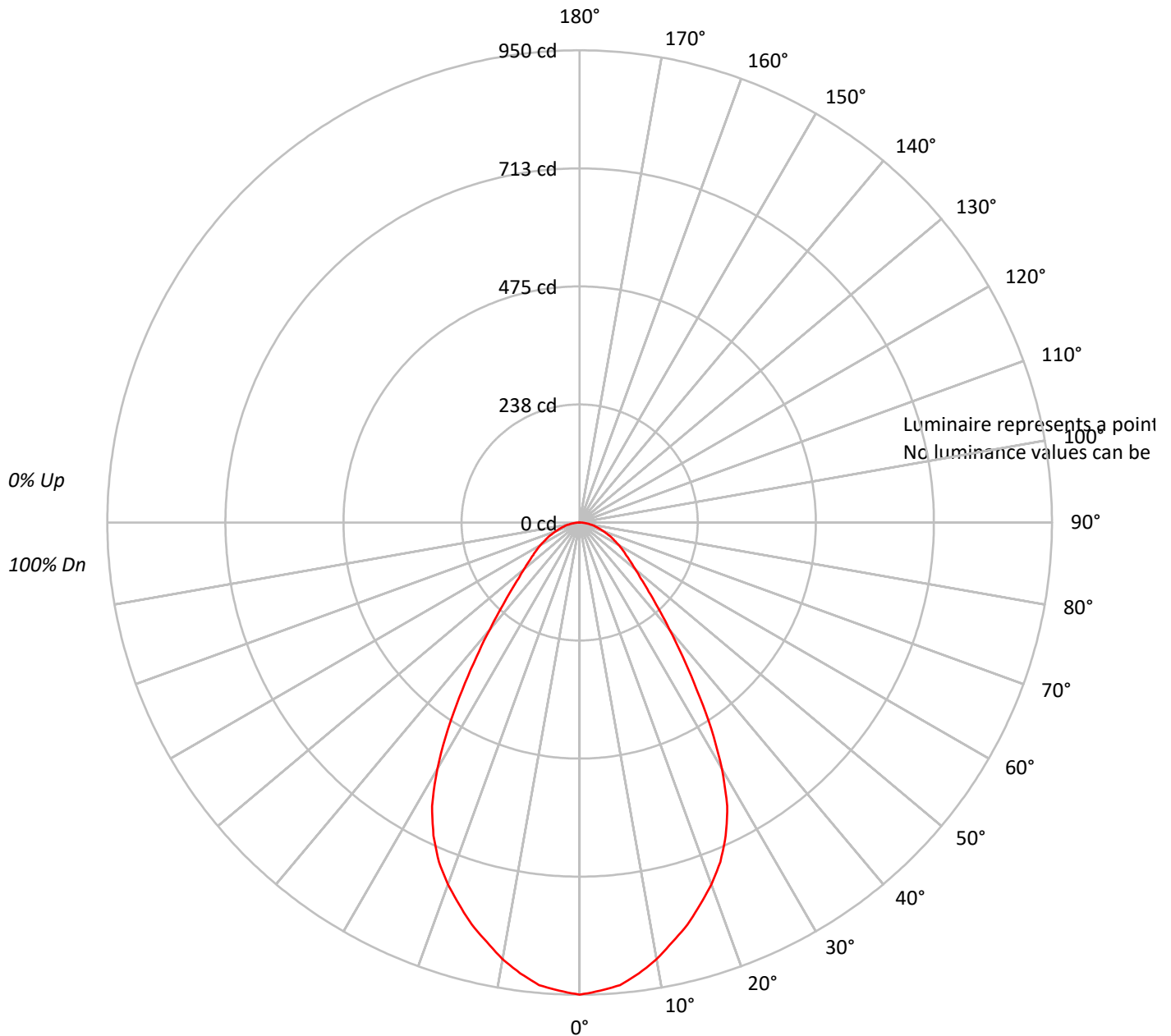
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203539

CATALOG NUMBER: LE_6B15D010 EC6B10209035 6LBMMW1

Luminous Intensity Polar Plot





TEST NUMBER: P203539

CATALOG NUMBER: LE_6B15D010 EC6B10209035 6LBMMW1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	108	104	101	109	105	103	100	101	99	97		98	96	94		94
2	104	97	92	88	101	96	91	87	92	88	85		89	86	83		86
3	97	88	82	77	95	87	81	76	84	79	75		82	77	74		79
4	90	81	74	68	88	80	73	68	77	72	67		75	70	66		73
5	85	74	67	61	83	73	66	61	71	65	61		69	64	60		68
6	79	68	61	56	78	68	61	56	66	60	55		64	59	55		63
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51
10	63	51	45	40	62	51	44	40	50	44	40		49	44	40		48

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203539

CATALOG NUMBER: LE_6B15D010 EC6B10209035 6LBMMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.8	6.9
10°-20°	235.1	18.5
20°-30°	315.7	24.8
30°-40°	258.9	20.3
40°-50°	155.5	12.2
50°-60°	103.3	8.1
60°-70°	69.3	5.4
70°-80°	37.3	2.9
80°-90°	10.5	0.8
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°	638.5	50.1
0°-40°	897.4	70.5
0°-60°	1156.2	90.8
0°-90°	1273.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1273.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	950	
5°	934	88
15°	838	235
25°	695	316
35°	411	259
45°	197	155
55°	114	103
65°	70	69
75°	35	37
85°	9	11
90°	0	



TEST NUMBER: P203539

CATALOG NUMBER: LE_6B15D010 EC6B10209035 6LBMMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	950.0
2.5°	943.0
5°	934.2
7.5°	914.9
10°	892.1
12.5°	864.0
15°	837.6
17.5°	806.0
20°	774.5
22.5°	739.4
25°	695.4
27.5°	642.8
30°	572.5
32.5°	493.5
35°	410.9
37.5°	340.6
40°	281.0
42.5°	233.5
45°	196.6
47.5°	166.9
50°	145.8
52.5°	128.2
55°	114.1
57.5°	101.9
60°	91.4
62.5°	79.0
65°	70.2
67.5°	59.8
70°	50.9
72.5°	42.1
75°	35.1
77.5°	28.1
80°	21.1
82.5°	15.8
85°	8.8
87.5°	3.5
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)