

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: P205487

Luminaire Tested: **LE_6B15D010 EC6B10208050 6LBMGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205487
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 EC6B10208050 6LBMGPH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH GRAPHITE HAZE 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: 1058.6 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

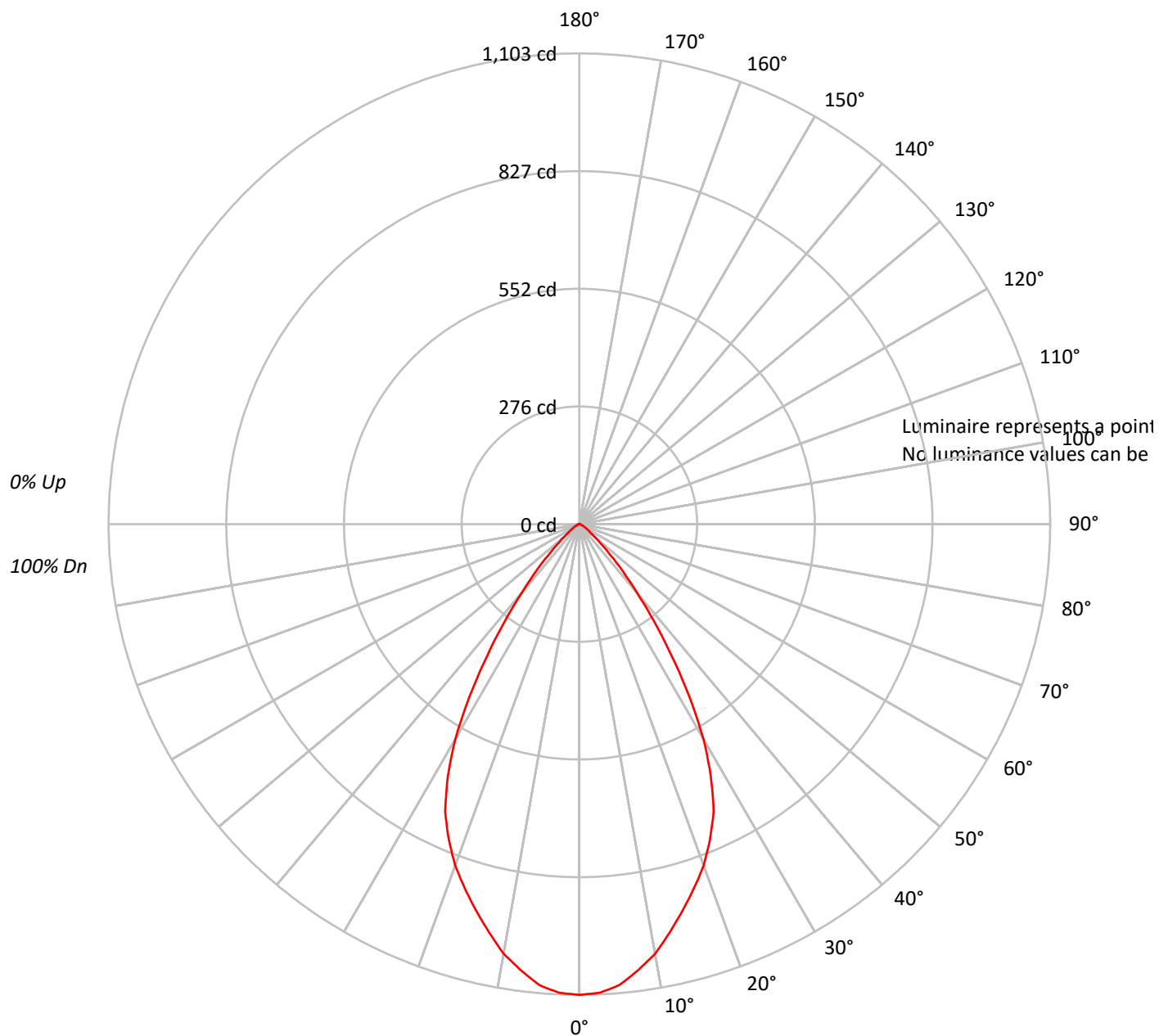
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205487

CATALOG NUMBER: LE_6B15D010 EC6B10208050 6LBMGPH1

Luminous Intensity Polar Plot





TEST NUMBER: P205487

CATALOG NUMBER: LE_6B15D010 EC6B10208050 6LBMGPH1

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	113	110	108	105	111	108	106	104	104	102	101		100	99	98		97
2	107	102	98	94	105	100	97	93	97	94	91		94	92	89		91
3	102	95	90	85	100	93	89	85	91	87	83		88	85	82		86
4	96	88	82	78	94	87	82	77	85	80	77		83	79	76		81
5	91	82	76	72	89	81	76	71	79	74	71		78	73	70		76
6	86	77	71	66	85	76	70	66	74	69	65		73	68	65		72
7	82	72	66	61	80	71	65	61	70	65	61		69	64	60		68
8	77	68	61	57	76	67	61	57	66	60	57		65	60	56		64
9	74	64	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	54	50	59	53	50		58	53	49		57

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205487

CATALOG NUMBER: LE_6B15D010 EC6B10208050 6LBMGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.3	9.6
10°-20°	263.0	24.8
20°-30°	335.1	31.7
30°-40°	236.8	22.4
40°-50°	86.4	8.2
50°-60°	23.9	2.3
60°-70°	8.7	0.8
70°-80°	3.0	0.3
80°-90°	0.3	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°	699.4	66.1
0°-40°	936.2	88.4
0°-60°	1046.6	98.9
0°-90°	1058.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1058.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1103	
5°	1084	101
15°	936	263
25°	744	335
35°	376	237
45°	105	86
55°	26	24
65°	8	9
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P205487

CATALOG NUMBER: LE_6B15D010 EC6B10208050 6LBMGPH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1103.2
2.5°	1099.0
5°	1084.0
7.5°	1054.1
10°	1022.0
12.5°	979.2
15°	936.5
17.5°	893.8
20°	851.0
22.5°	799.6
25°	744.0
27.5°	667.1
30°	581.6
32.5°	478.9
35°	376.2
37.5°	286.5
40°	209.5
42.5°	151.8
45°	104.8
47.5°	70.5
50°	47.0
52.5°	32.1
55°	25.6
57.5°	19.2
60°	15.0
62.5°	10.8
65°	8.5
67.5°	6.4
70°	4.2
72.5°	4.2
75°	2.1
77.5°	2.1
80°	2.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)