

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: P252776

Luminaire Tested: **LE_6B15D010 EC6B10209727 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-2)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B15D010 EC6B10209727 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1665.1 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

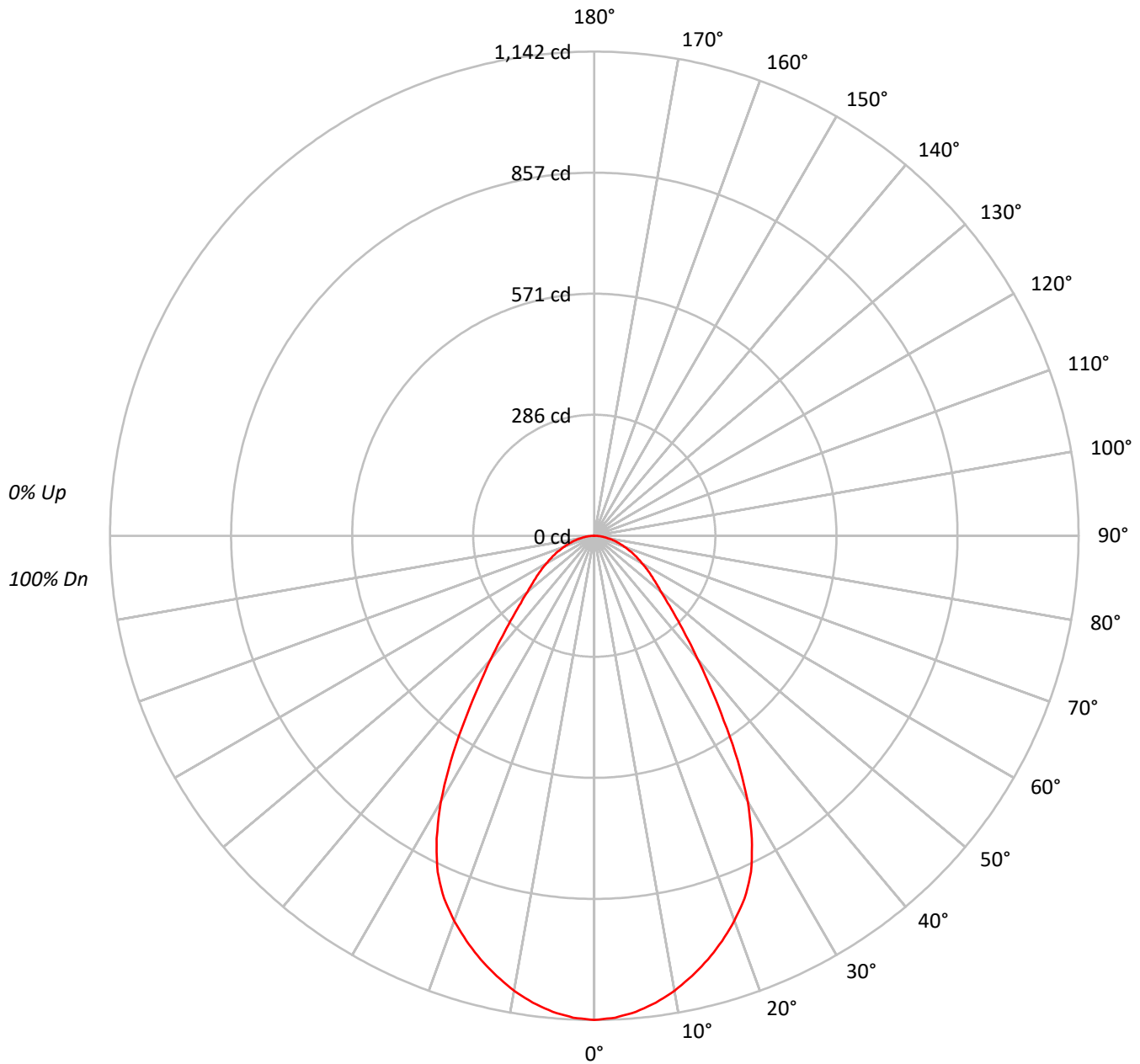
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252776

CATALOG NUMBER: LE_6B15D010 EC6B10209727 6LBBA1MW

Luminous Intensity Polar Plot





TEST NUMBER: P252776

CATALOG NUMBER: LE_6B15D010 EC6B10209727 6LBBA1MW

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	107	104	101	108	105	102	99	101	98	96		97	95	93		94
2	103	97	91	87	101	95	90	86	91	87	84		88	85	82		85
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	90	80	72	67	87	78	72	66	76	70	66		74	69	65		72
5	84	73	65	60	82	72	65	60	70	64	59		68	63	58		66
6	78	67	60	54	77	66	59	54	65	58	54		63	57	53		62
7	74	62	55	49	72	61	54	49	60	53	49		59	53	49		57
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		53
9	65	54	46	42	64	53	46	42	52	46	41		51	45	41		50
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	74505
5°	73820
10°	72196
15°	69899
20°	67074
25°	62973
30°	54496
35°	42434
40°	32244
45°	25142
50°	20847
55°	18711
60°	17041
65°	15731
70°	14459
75°	13385
80°	12098
85°	11079



TEST NUMBER: P252776

CATALOG NUMBER: LE_6B15D010 EC6B10209727 6LBBA1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.4	6.4
10°-20°	290.8	17.5
20°-30°	396.0	23.8
30°-40°	335.1	20.1
40°-50°	215.0	12.9
50°-60°	147.9	8.9
60°-70°	101.1	6.1
70°-80°	56.2	3.4
80°-90°	16.5	1.0
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°	793.2	47.6
0°-40°	1128.3	67.8
0°-60°	1491.3	89.6
0°-90°	1665.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1665.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1142	
5°	1127	106
15°	1035	291
25°	875	396
35°	533	335
45°	272	215
55°	164	148
65°	102	101
75°	53	56
85°	15	16
90°	0	



TEST NUMBER: P252776

CATALOG NUMBER: LE_6B15D010 EC6B10209727 6LBBA1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1142.0
2.5°	1137.6
5°	1127.2
7.5°	1110.6
10°	1089.8
12.5°	1063.6
15°	1034.9
17.5°	1001.9
20°	966.1
22.5°	926.1
25°	874.8
27.5°	805.1
30°	723.4
32.5°	629.4
35°	532.8
37.5°	448.2
40°	378.6
42.5°	320.4
45°	272.5
47.5°	235.0
50°	205.4
52.5°	182.8
55°	164.5
57.5°	147.1
60°	130.6
62.5°	115.8
65°	101.9
67.5°	87.9
70°	75.8
72.5°	63.5
75°	53.1
77.5°	42.6
80°	32.2
82.5°	23.5
85°	14.8
87.5°	6.1
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)