

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: P252768

Luminaire Tested: **LE_6B15D010 EC6B10208040 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252768
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 EC6B10208040 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2415.1 lumens
Efficiency: N/A
Efficacy: 167.7 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

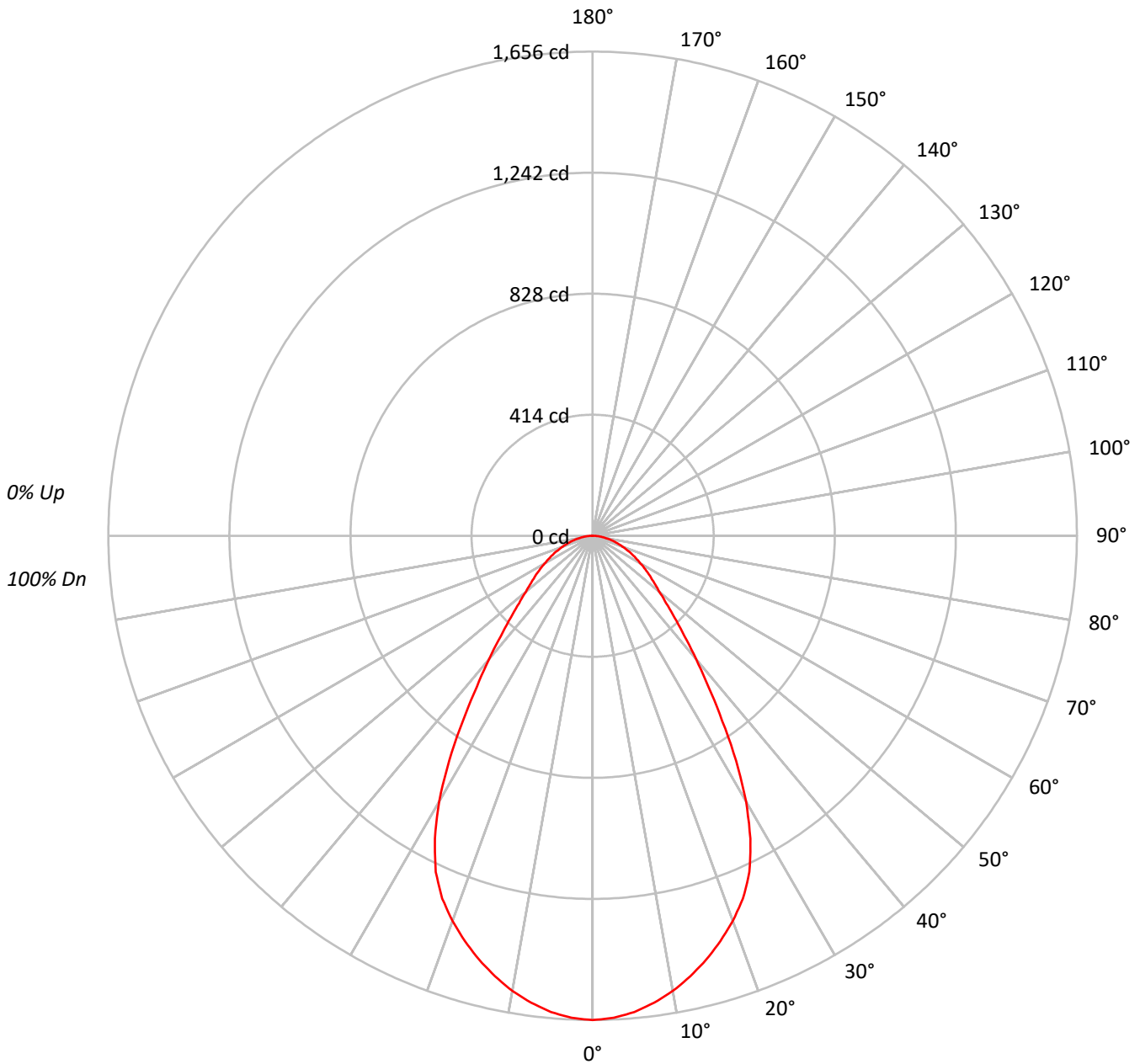
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252768

CATALOG NUMBER: LE_6B15D010 EC6B10208040 6LBBA1MW

Luminous Intensity Polar Plot





TEST NUMBER: P252768

CATALOG NUMBER: LE_6B15D010 EC6B10208040 6LBBA1MW

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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62			
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51			
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47			
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43			
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	108065
5°	107076
10°	104710
15°	101387
20°	97296
25°	91342
30°	79032
35°	61533
40°	46773
45°	36454
50°	30246
55°	27139
60°	24713
65°	22816
70°	20964
75°	19409
80°	17583
85°	16094



TEST NUMBER: P252768

CATALOG NUMBER: LE_6B15D010 EC6B10208040 6LBBA1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.3	6.4
10°-20°	421.8	17.5
20°-30°	574.4	23.8
30°-40°	486.1	20.1
40°-50°	311.8	12.9
50°-60°	214.6	8.9
60°-70°	146.6	6.1
70°-80°	81.6	3.4
80°-90°	23.9	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°	1150.5	47.6
0°-40°	1636.6	67.8
0°-60°	2163.0	89.6
0°-90°	2415.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2415.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1656	
5°	1635	154
15°	1501	422
25°	1269	574
35°	773	486
45°	395	312
55°	239	215
65°	148	147
75°	77	82
85°	22	24
90°	0	



TEST NUMBER: P252768

CATALOG NUMBER: LE_6B15D010 EC6B10208040 6LBBA1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1656.4
2.5°	1650.1
5°	1635.0
7.5°	1611.0
10°	1580.6
12.5°	1542.8
15°	1501.1
17.5°	1453.1
20°	1401.4
22.5°	1343.2
25°	1268.9
27.5°	1167.9
30°	1049.1
32.5°	912.8
35°	772.6
37.5°	650.2
40°	549.2
42.5°	464.6
45°	395.1
47.5°	340.9
50°	298.0
52.5°	265.1
55°	238.6
57.5°	213.4
60°	189.4
62.5°	167.9
65°	147.8
67.5°	127.5
70°	109.9
72.5°	92.1
75°	77.0
77.5°	61.9
80°	46.8
82.5°	34.1
85°	21.5
87.5°	8.9
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)