

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: P252762

Luminaire Tested: **LE_6B10D010 EC6B10209050 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252762
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_6B10D010 EC6B10209050 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1472.6 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

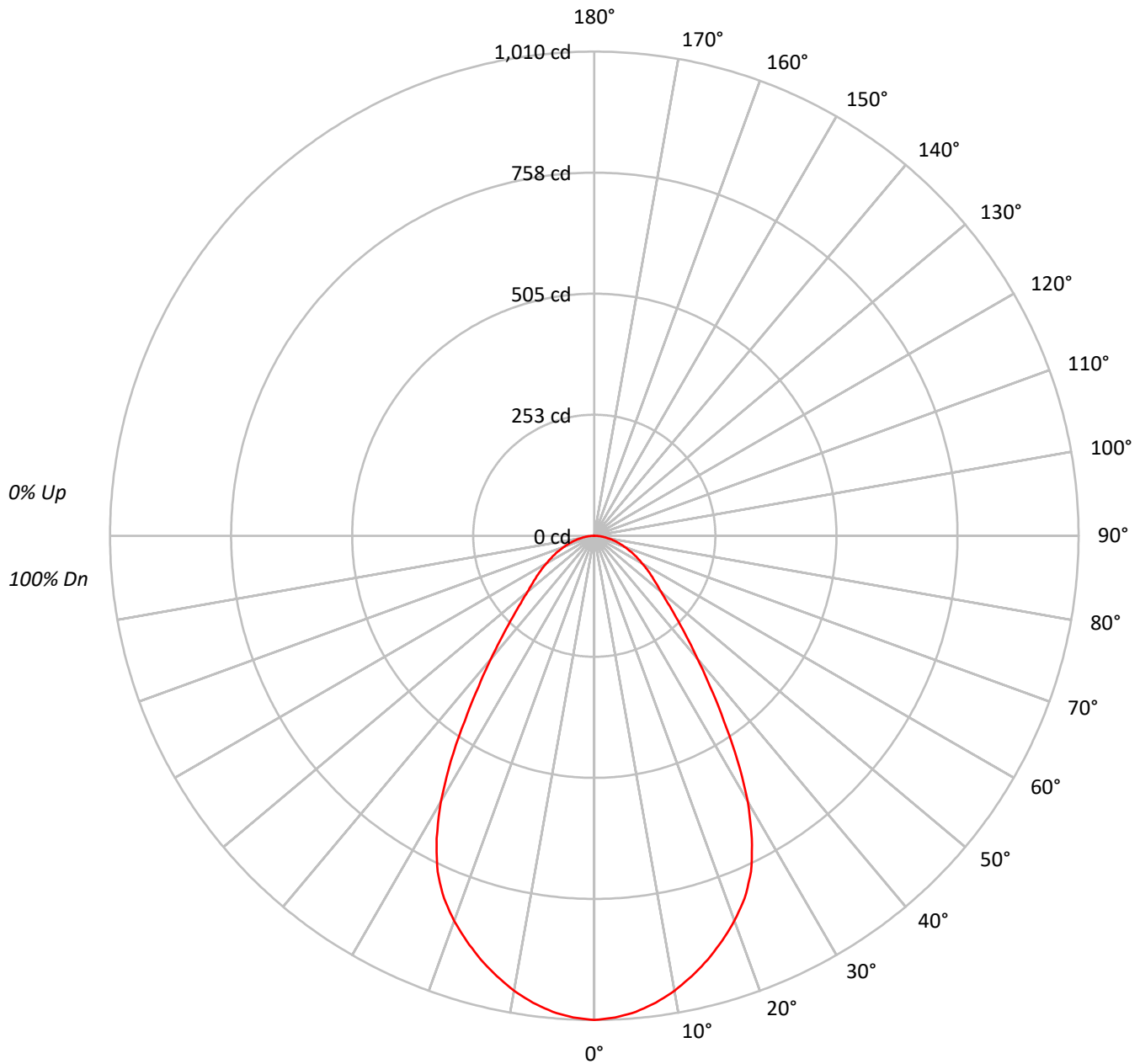
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	65893
5°	65287
10°	63849
15°	61814
20°	59326
25°	55688
30°	48198
35°	37520
40°	28522
45°	22236
50°	18432
55°	16550
60°	15071
65°	13909
70°	12780
75°	11847
80°	10708
85°	9806



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.1	6.4
10°-20°	257.2	17.5
20°-30°	350.2	23.8
30°-40°	296.4	20.1
40°-50°	190.1	12.9
50°-60°	130.8	8.9
60°-70°	89.4	6.1
70°-80°	49.8	3.4
80°-90°	14.6	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°	701.5	47.6
0°-40°	997.9	67.8
0°-60°	1318.8	89.6
0°-90°	1472.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1472.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1010	
5°	997	94
15°	915	257
25°	774	350
35°	471	296
45°	241	190
55°	146	131
65°	90	89
75°	47	50
85°	13	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1010.0
2.5°	1006.1
5°	996.9
7.5°	982.2
10°	963.8
12.5°	940.6
15°	915.2
17.5°	886.0
20°	854.5
22.5°	819.0
25°	773.6
27.5°	712.0
30°	639.8
32.5°	556.5
35°	471.1
37.5°	396.5
40°	334.9
42.5°	283.2
45°	241.0
47.5°	207.9
50°	181.6
52.5°	161.6
55°	145.5
57.5°	130.1
60°	115.5
62.5°	102.4
65°	90.1
67.5°	77.8
70°	67.0
72.5°	56.2
75°	47.0
77.5°	37.8
80°	28.5
82.5°	20.8
85°	13.1
87.5°	5.4
90°	0.0



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— 0°-180°







(END OF REPORT)