

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: P252760

Luminaire Tested: **LE_6B10D010 EC6B10209035 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252760
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 EC6B10209035 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1465.1 lumens
Efficiency: N/A
Efficacy: 146.5 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

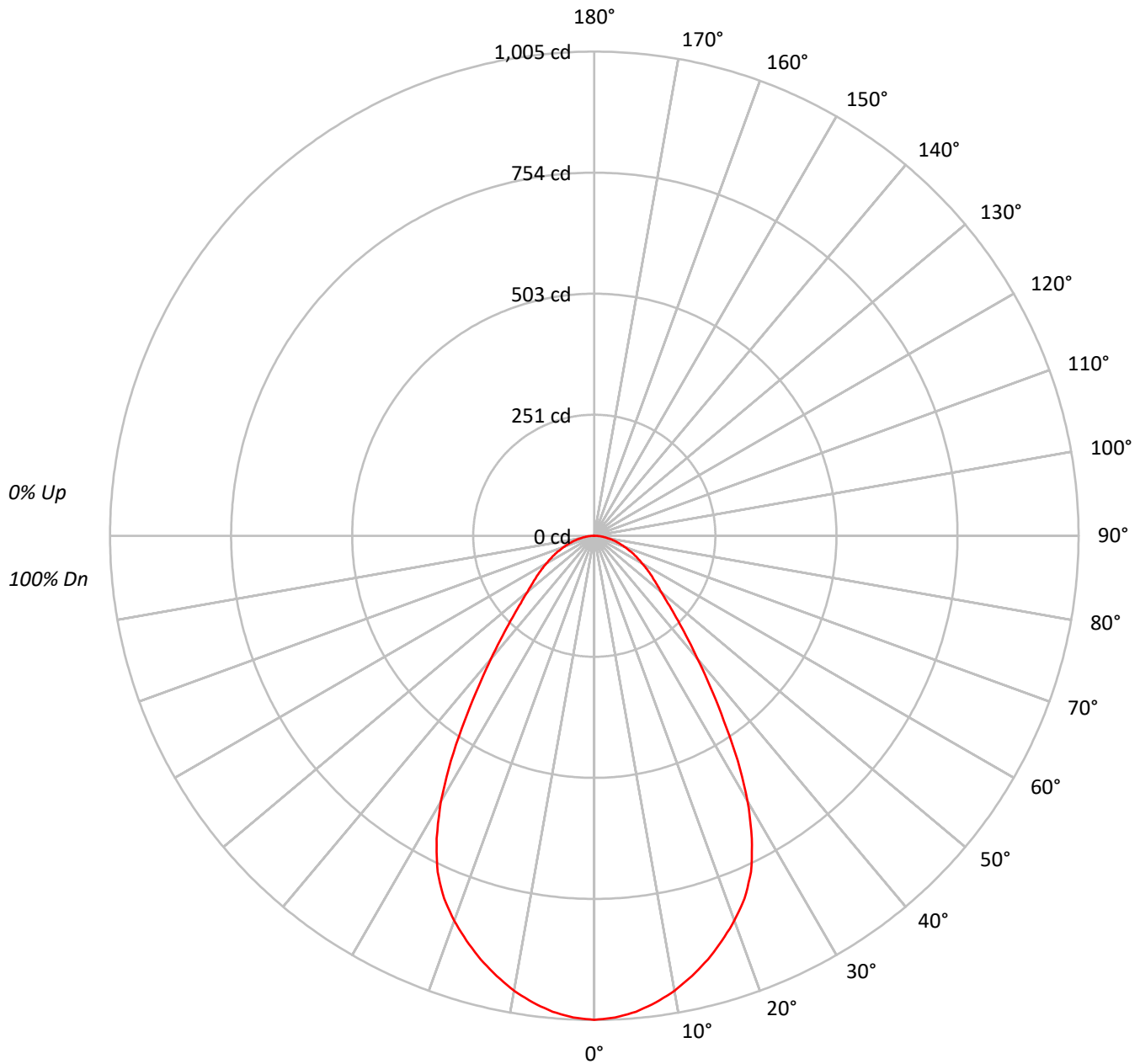
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	65560
5°	64953
10°	63524
15°	61504
20°	59020
25°	55414
30°	47942
35°	37337
40°	28369
45°	22125
50°	18351
55°	16470
60°	14992
65°	13832
70°	12704
75°	11797
80°	10670
85°	9731



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	6.4
10°-20°	255.9	17.5
20°-30°	348.5	23.8
30°-40°	294.9	20.1
40°-50°	189.2	12.9
50°-60°	130.2	8.9
60°-70°	88.9	6.1
70°-80°	49.5	3.4
80°-90°	14.5	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°	697.9	47.6
0°-40°	992.8	67.8
0°-60°	1312.2	89.6
0°-90°	1465.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1465.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1005	
5°	992	94
15°	911	256
25°	770	348
35°	469	295
45°	240	189
55°	145	130
65°	90	89
75°	47	49
85°	13	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1004.9
2.5°	1001.0
5°	991.8
7.5°	977.2
10°	958.9
12.5°	935.9
15°	910.6
17.5°	881.5
20°	850.1
22.5°	814.9
25°	769.8
27.5°	708.4
30°	636.4
32.5°	553.8
35°	468.8
37.5°	394.4
40°	333.1
42.5°	281.9
45°	239.8
47.5°	206.8
50°	180.8
52.5°	160.9
55°	144.8
57.5°	129.4
60°	114.9
62.5°	101.9
65°	89.6
67.5°	77.4
70°	66.6
72.5°	55.9
75°	46.8
77.5°	37.5
80°	28.4
82.5°	20.6
85°	13.0
87.5°	5.4
90°	0.0



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— 0°-180°







(END OF REPORT)