

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: P252842

Luminaire Tested: **LE_6B60D010R EC6B60709730 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252842
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_6B60D010R EC6B60709730 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7090.1 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

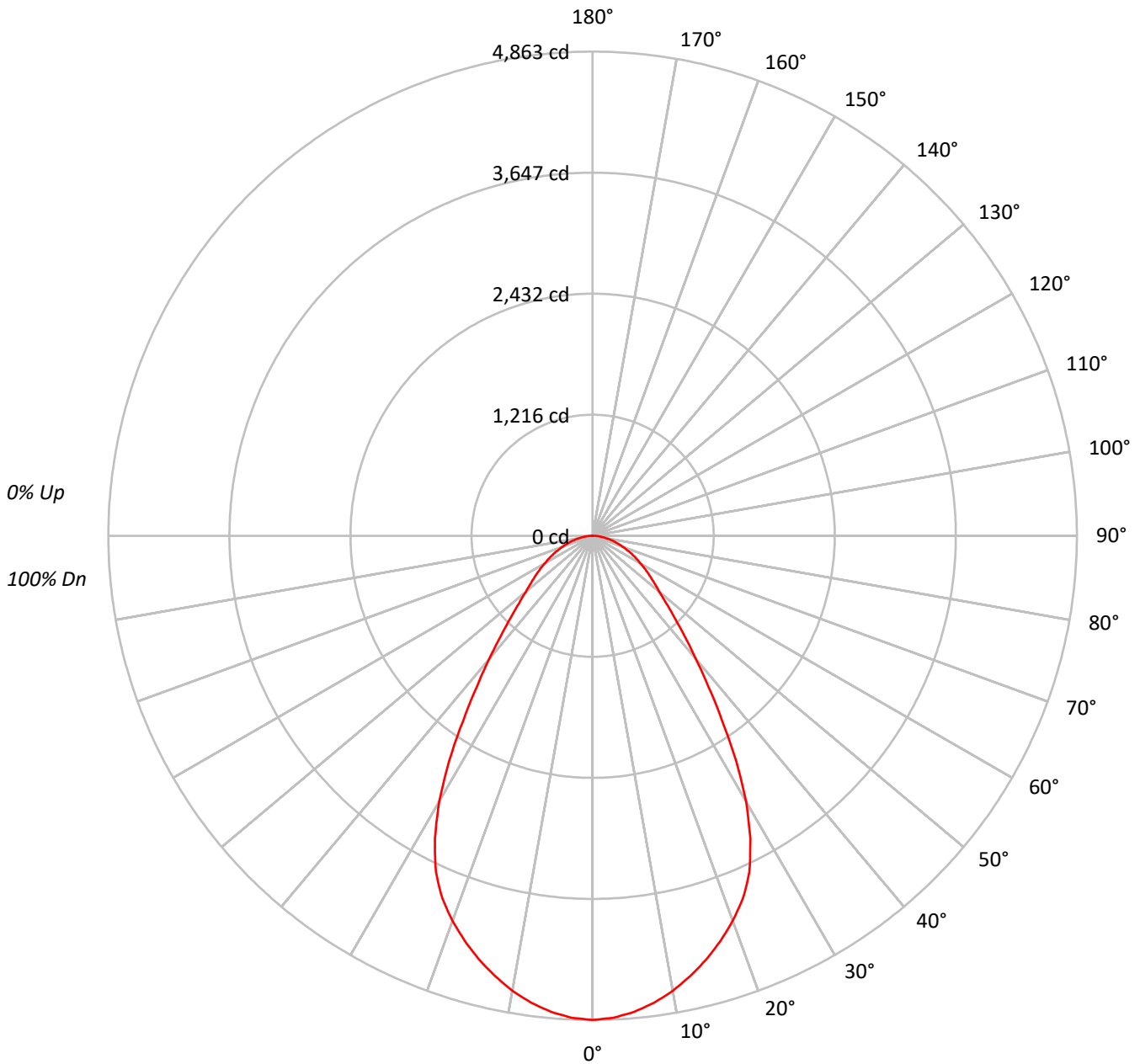
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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				100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88				88
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78				78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69				69
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62				62
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56				56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51				51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47				47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43				43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39				39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37				37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	317259
5°	314345
10°	307420
15°	297658
20°	285639
25°	268144
30°	232034
35°	180665
40°	137321
45°	107036
50°	88789
55°	79677
60°	72548
65°	66936
70°	61517
75°	56993
80°	51509
85°	47159



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.1	6.4
10°-20°	1238.2	17.5
20°-30°	1686.4	23.8
30°-40°	1427.0	20.1
40°-50°	915.5	12.9
50°-60°	630.0	8.9
60°-70°	430.4	6.1
70°-80°	239.5	3.4
80°-90°	70.1	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°	3377.7	47.6
0°-40°	4804.7	67.8
0°-60°	6350.2	89.6
0°-90°	7090.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7090.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4863	
5°	4800	453
15°	4407	1238
25°	3725	1686
35°	2268	1427
45°	1160	915
55°	700	630
65°	434	430
75°	226	239
85°	63	70
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4862.9
2.5°	4844.4
5°	4799.9
7.5°	4729.5
10°	4640.5
12.5°	4529.4
15°	4407.0
17.5°	4266.1
20°	4114.2
22.5°	3943.8
25°	3725.0
27.5°	3428.5
30°	3080.1
32.5°	2679.8
35°	2268.4
37.5°	1908.9
40°	1612.4
42.5°	1364.0
45°	1160.1
47.5°	1000.8
50°	874.8
52.5°	778.4
55°	700.5
57.5°	626.4
60°	556.0
62.5°	493.0
65°	433.6
67.5°	374.4
70°	322.5
72.5°	270.6
75°	226.1
77.5°	181.6
80°	137.1
82.5°	100.1
85°	63.0
87.5°	26.0
90°	0.0



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— 0°-180°







(END OF REPORT)