

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: P252837

Luminaire Tested: **LE_6B60D010R EC6B60709030 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252837
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 EC6B60709030 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8111.2 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

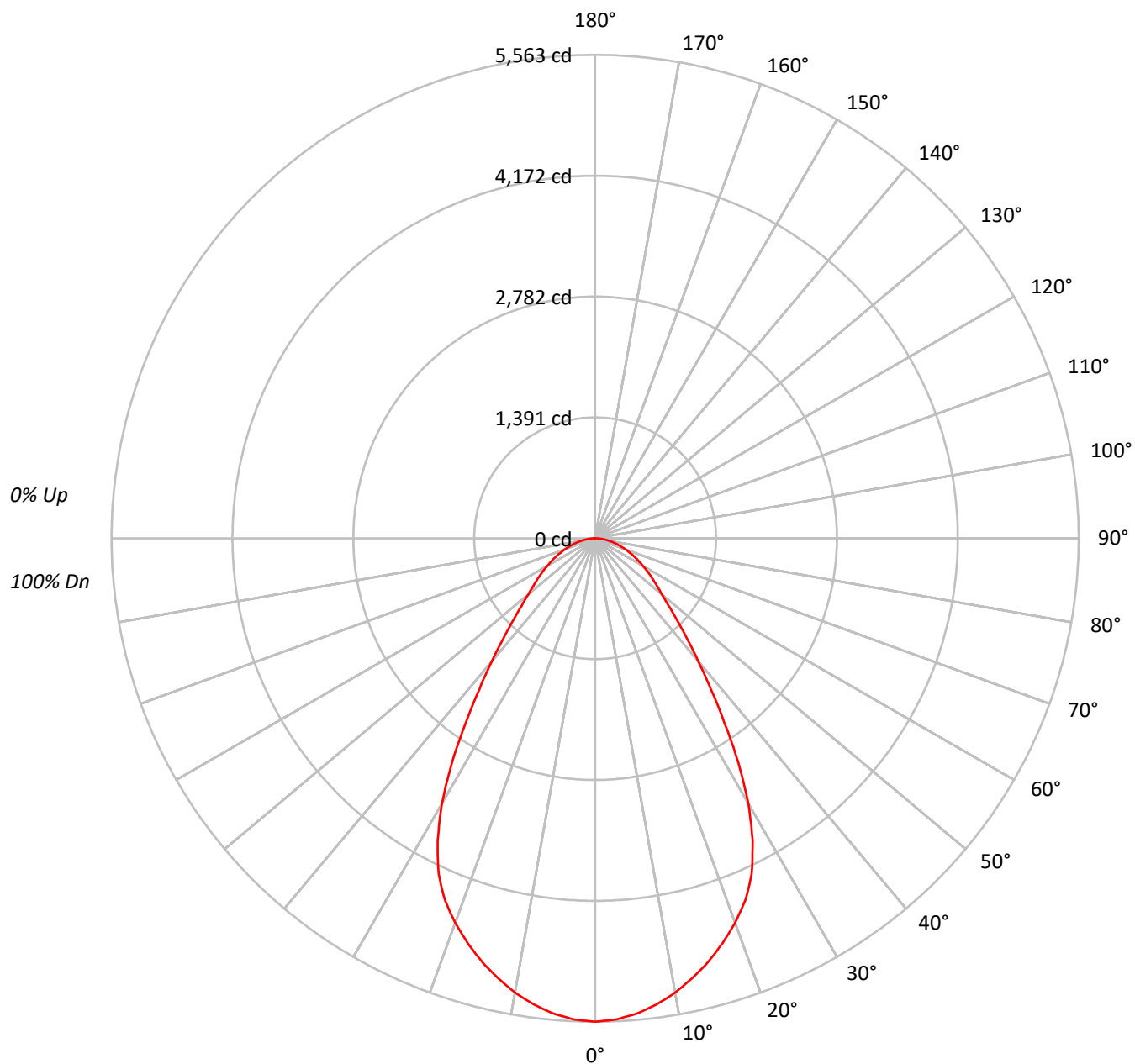
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20				20
RC	80				70					50					30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
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°	362960
5°	359618
10°	351699
15°	340534
20°	326782
25°	306764
30°	265460
35°	206684
40°	157088
45°	122453
50°	101578
55°	91154
60°	82986
65°	76584
70°	70368
75°	65185
80°	58948
85°	53971



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	518.3	6.4
10°-20°	1416.6	17.5
20°-30°	1929.3	23.8
30°-40°	1632.6	20.1
40°-50°	1047.3	12.9
50°-60°	720.7	8.9
60°-70°	492.3	6.1
70°-80°	273.9	3.4
80°-90°	80.2	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°	3864.2	47.6
0°-40°	5496.8	67.8
0°-60°	7264.8	89.6
0°-90°	8111.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8111.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5563	
5°	5491	518
15°	5042	1417
25°	4262	1929
35°	2595	1633
45°	1327	1047
55°	801	721
65°	496	492
75°	259	274
85°	72	80
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5563.4
2.5°	5542.1
5°	5491.2
7.5°	5410.8
10°	5308.9
12.5°	5181.8
15°	5041.8
17.5°	4880.6
20°	4706.8
22.5°	4511.8
25°	4261.5
27.5°	3922.4
30°	3523.8
32.5°	3065.8
35°	2595.1
37.5°	2183.8
40°	1844.5
42.5°	1560.5
45°	1327.2
47.5°	1144.9
50°	1000.8
52.5°	890.5
55°	801.4
57.5°	716.6
60°	636.0
62.5°	564.0
65°	496.1
67.5°	428.2
70°	368.9
72.5°	309.5
75°	258.6
77.5°	207.8
80°	156.9
82.5°	114.5
85°	72.1
87.5°	29.6
90°	0.0



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— 0°-180°







(END OF REPORT)