

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: P252839

Luminaire Tested: **LE_6B60D010R EC6B60709040 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252839
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 EC6B60709040 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8241.2 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

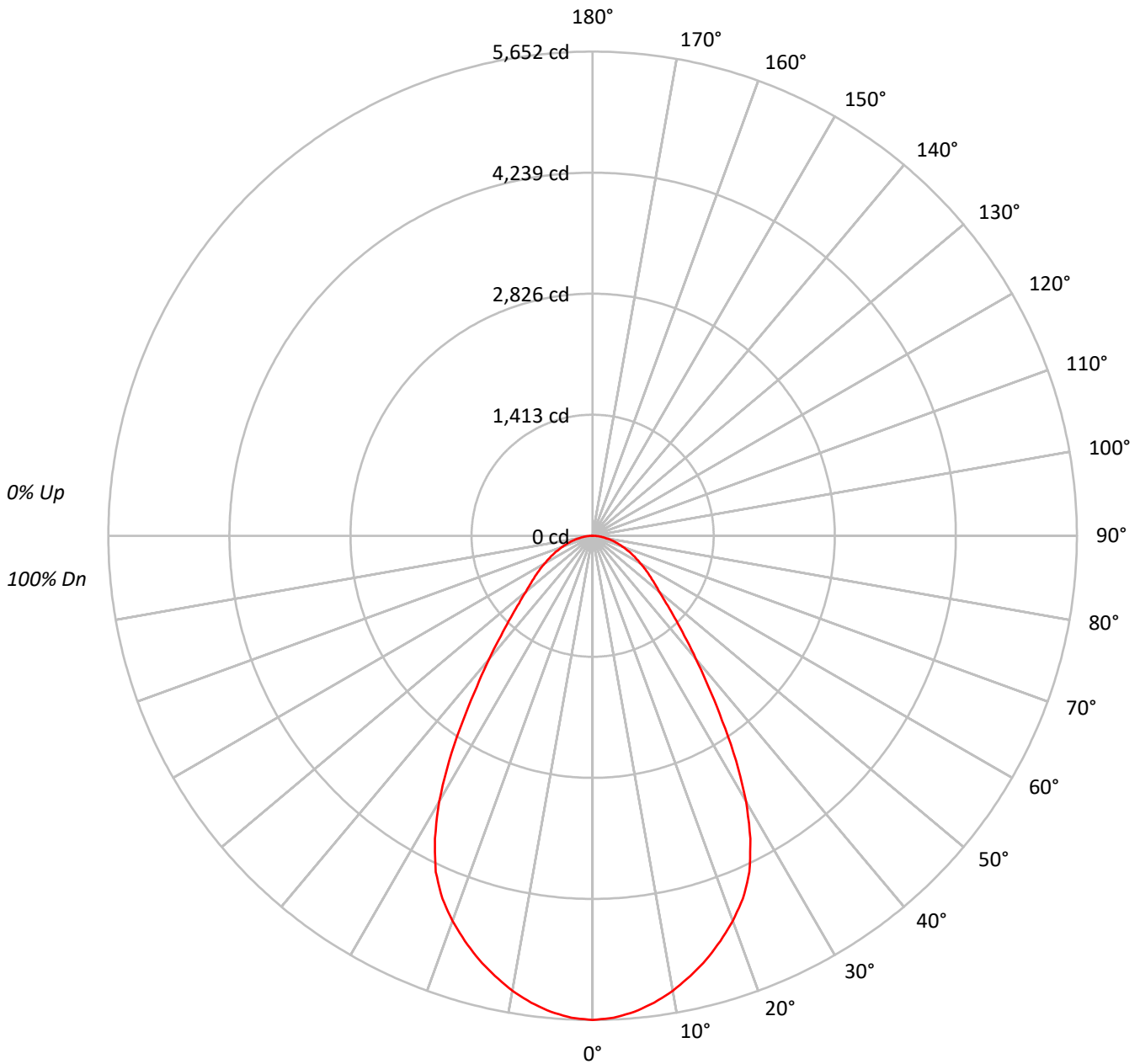
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			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°	368773
5°	365381
10°	357337
15°	345991
20°	332017
25°	311688
30°	269709
35°	210006
40°	159609
45°	124418
50°	103202
55°	92610
60°	84317
65°	77819
70°	71512
75°	66244
80°	59888
85°	54794



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	526.6	6.4
10°-20°	1439.3	17.5
20°-30°	1960.2	23.8
30°-40°	1658.7	20.1
40°-50°	1064.1	12.9
50°-60°	732.2	8.9
60°-70°	500.2	6.1
70°-80°	278.3	3.4
80°-90°	81.4	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°	3926.1	47.6
0°-40°	5584.9	67.8
0°-60°	7381.2	89.6
0°-90°	8241.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8241.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5652	
5°	5579	527
15°	5123	1439
25°	4330	1960
35°	2637	1659
45°	1348	1064
55°	814	732
65°	504	500
75°	263	278
85°	73	81
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5652.5
2.5°	5631.0
5°	5579.2
7.5°	5497.4
10°	5394.0
12.5°	5264.8
15°	5122.6
17.5°	4958.9
20°	4782.2
22.5°	4584.0
25°	4329.9
27.5°	3985.2
30°	3580.2
32.5°	3114.9
35°	2636.8
37.5°	2218.8
40°	1874.1
42.5°	1585.5
45°	1348.5
47.5°	1163.2
50°	1016.8
52.5°	904.8
55°	814.2
57.5°	728.1
60°	646.2
62.5°	573.0
65°	504.1
67.5°	435.1
70°	374.9
72.5°	314.5
75°	262.8
77.5°	211.1
80°	159.4
82.5°	116.4
85°	73.2
87.5°	30.1
90°	0.0



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— 0°-180°







(END OF REPORT)