

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: P252841

Luminaire Tested: **LE_6B60D010R EC6B60709727 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252841
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 EC6B60709727 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6783.7 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

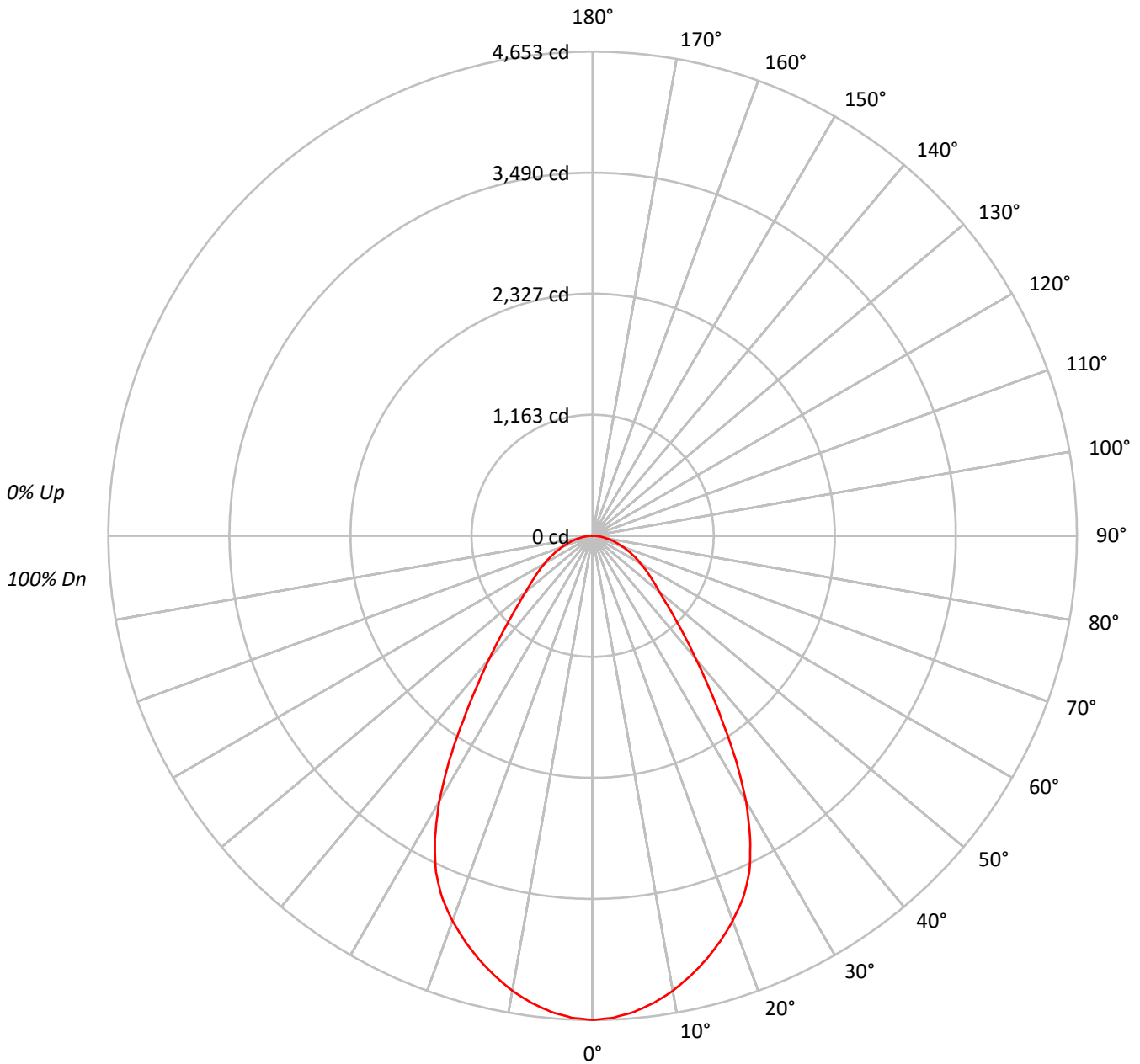
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	303558
5°	300762
10°	294144
15°	284798
20°	273302
25°	256562
30°	222007
35°	172860
40°	131376
45°	102413
50°	84952
55°	76231
60°	69416
65°	64049
70°	58847
75°	54548
80°	49293
85°	45063



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.5	6.4
10°-20°	1184.7	17.5
20°-30°	1613.6	23.8
30°-40°	1365.4	20.1
40°-50°	875.9	12.9
50°-60°	602.8	8.9
60°-70°	411.7	6.1
70°-80°	229.1	3.4
80°-90°	67.1	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°	3231.8	47.6
0°-40°	4597.2	67.8
0°-60°	6075.8	89.6
0°-90°	6783.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6783.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4653	
5°	4592	433
15°	4217	1185
25°	3564	1614
35°	2170	1365
45°	1110	876
55°	670	603
65°	415	412
75°	216	229
85°	60	67
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4652.9
2.5°	4635.1
5°	4592.5
7.5°	4525.1
10°	4440.1
12.5°	4333.6
15°	4216.6
17.5°	4081.9
20°	3936.5
22.5°	3773.4
25°	3564.1
27.5°	3280.4
30°	2947.0
32.5°	2564.0
35°	2170.4
37.5°	1826.4
40°	1542.6
42.5°	1305.1
45°	1110.0
47.5°	957.5
50°	837.0
52.5°	744.8
55°	670.2
57.5°	599.4
60°	532.0
62.5°	471.6
65°	414.9
67.5°	358.1
70°	308.5
72.5°	258.9
75°	216.4
77.5°	173.8
80°	131.2
82.5°	95.8
85°	60.2
87.5°	24.9
90°	0.0



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— 0°-180°







(END OF REPORT)