

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: P252838

Luminaire Tested: **LE_6B60D010R EC6B60709035 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252838
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 EC6B60709035 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: 8227.4 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

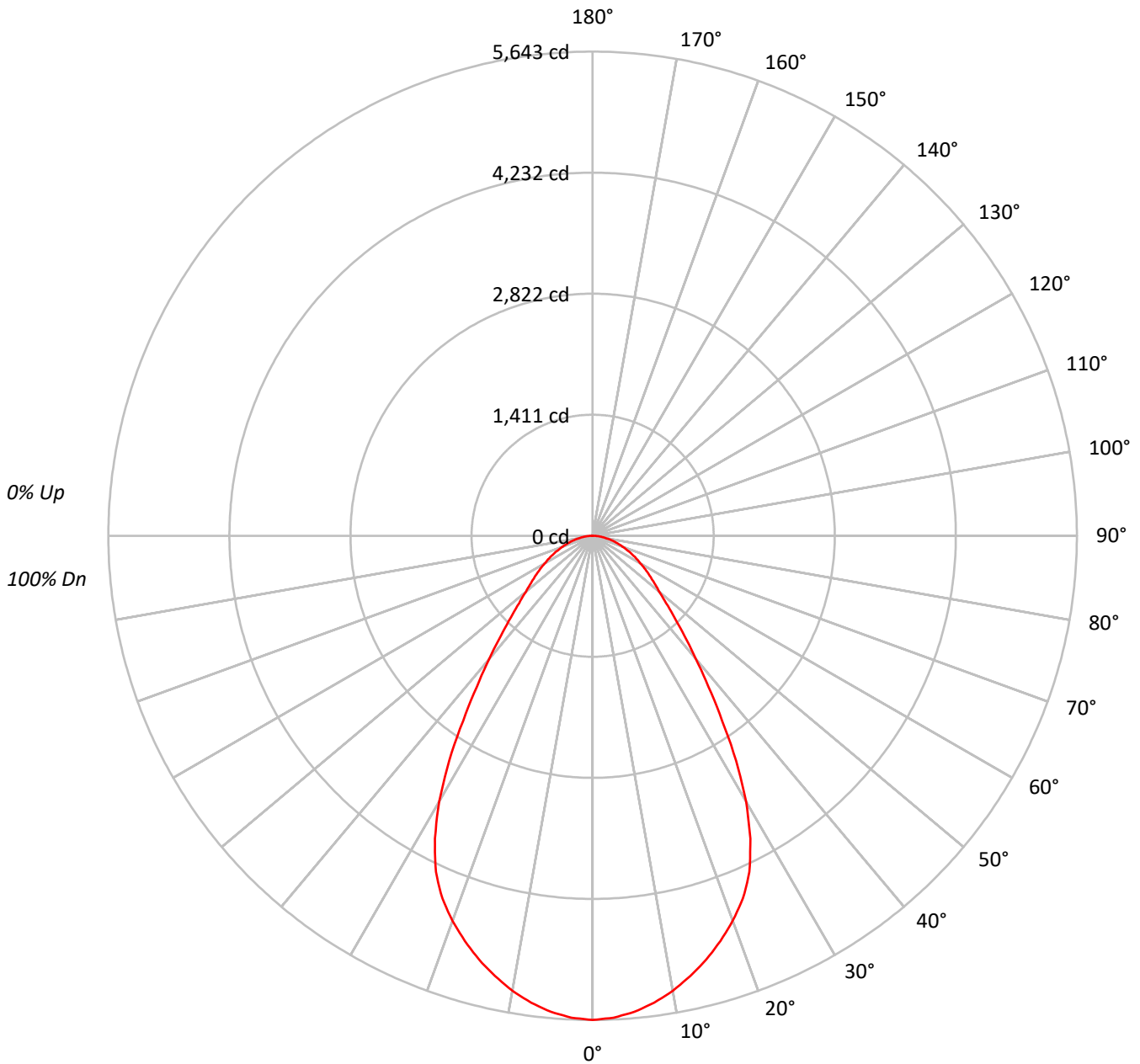
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	368159
5°	364778
10°	356740
15°	345410
20°	331461
25°	311163
30°	269257
35°	209639
40°	159345
45°	124206
50°	103029
55°	92462
60°	84173
65°	77680
70°	71379
75°	66143
80°	59775
85°	54719



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	525.7	6.4
10°-20°	1436.9	17.5
20°-30°	1956.9	23.8
30°-40°	1656.0	20.1
40°-50°	1062.3	12.9
50°-60°	731.0	8.9
60°-70°	499.4	6.1
70°-80°	277.9	3.4
80°-90°	81.3	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°	3919.6	47.6
0°-40°	5575.5	67.8
0°-60°	7368.9	89.6
0°-90°	8227.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8227.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5643	
5°	5570	526
15°	5114	1437
25°	4323	1957
35°	2632	1656
45°	1346	1062
55°	813	731
65°	503	499
75°	262	278
85°	73	81
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5643.1
2.5°	5621.6
5°	5570.0
7.5°	5488.2
10°	5385.0
12.5°	5256.0
15°	5114.0
17.5°	4950.6
20°	4774.2
22.5°	4576.4
25°	4322.6
27.5°	3978.5
30°	3574.2
32.5°	3109.8
35°	2632.2
37.5°	2215.1
40°	1871.0
42.5°	1582.9
45°	1346.2
47.5°	1161.2
50°	1015.1
52.5°	903.2
55°	812.9
57.5°	726.9
60°	645.1
62.5°	572.0
65°	503.2
67.5°	434.4
70°	374.2
72.5°	314.0
75°	262.4
77.5°	210.8
80°	159.1
82.5°	116.1
85°	73.1
87.5°	30.1
90°	0.0



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— 0°-180°







(END OF REPORT)