

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: P252828

Luminaire Tested: **LE_6B50D010R EC6B30509727 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252828
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_6B50D010R EC6B30509727 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: 6071.3 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

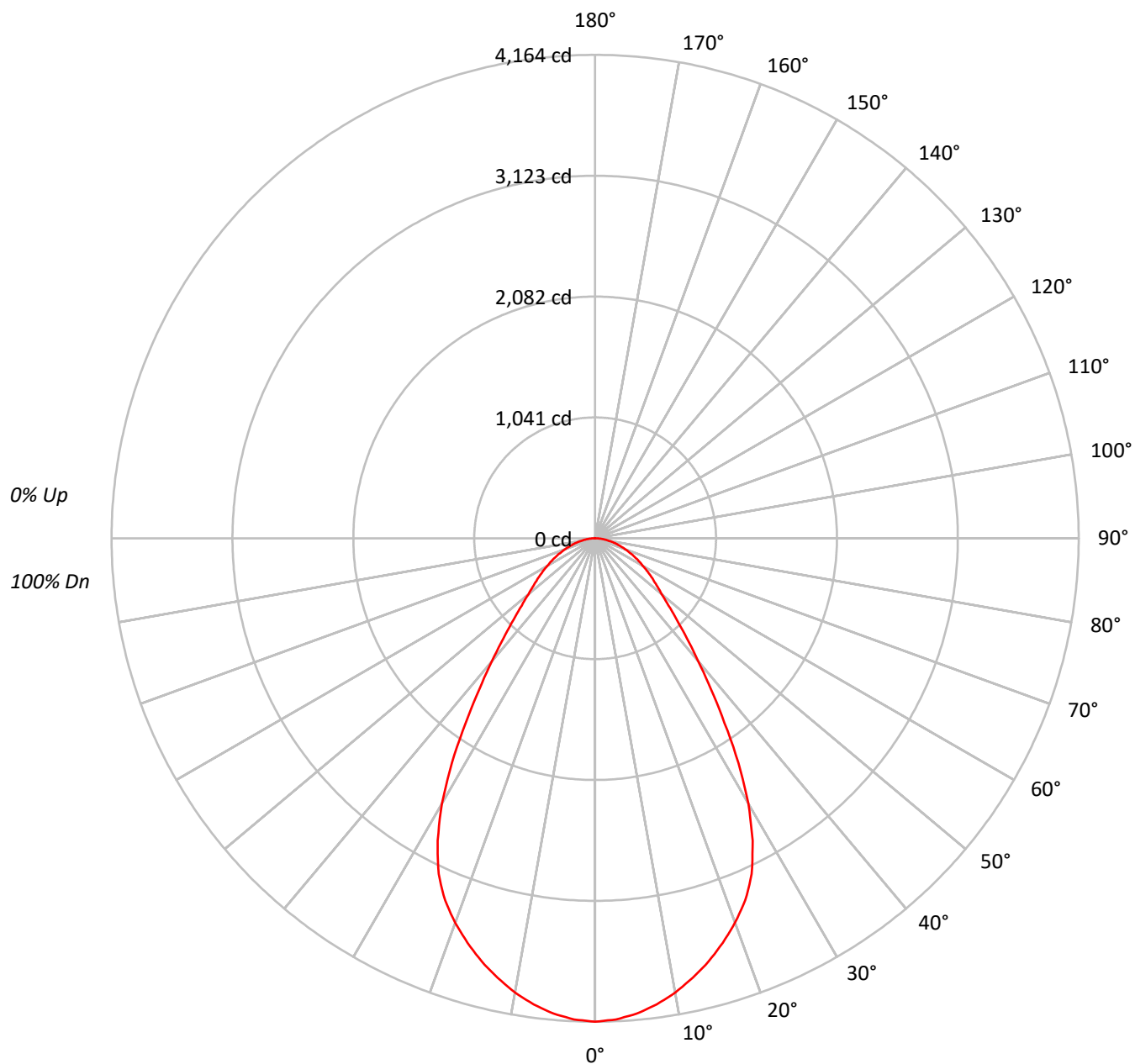
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	108	105	102	99	101	98	96		97	95	93		94
2	103	97	91	87	101	95	90	86	91	87	84		88	85	82		85
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	90	80	72	67	87	78	72	66	76	70	66		74	69	65		72
5	84	73	65	60	82	72	65	60	70	64	59		68	63	58		66
6	78	67	60	54	77	66	59	54	65	58	54		63	57	53		62
7	74	62	55	49	72	61	54	49	60	53	49		59	53	49		57
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		53
9	65	54	46	42	64	53	46	42	52	46	41		51	45	41		50
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	271668
5°	269176
10°	263253
15°	254890
20°	244594
25°	229618
30°	198692
35°	154701
40°	117580
45°	91655
50°	76021
55°	68235
60°	62122
65°	57334
70°	52666
75°	48801
80°	44108
85°	40422



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.0	6.4
10°-20°	1060.3	17.5
20°-30°	1444.1	23.8
30°-40°	1222.0	20.1
40°-50°	783.9	12.9
50°-60°	539.4	8.9
60°-70°	368.5	6.1
70°-80°	205.1	3.4
80°-90°	60.0	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°	2892.4	47.6
0°-40°	4114.3	67.8
0°-60°	5437.7	89.6
0°-90°	6071.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6071.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4164	
5°	4110	388
15°	3774	1060
25°	3190	1444
35°	1942	1222
45°	993	784
55°	600	539
65°	371	369
75°	194	205
85°	54	60
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4164.1
2.5°	4148.2
5°	4110.2
7.5°	4049.9
10°	3973.8
12.5°	3878.5
15°	3773.8
17.5°	3653.1
20°	3523.0
22.5°	3377.0
25°	3189.8
27.5°	2935.9
30°	2637.5
32.5°	2294.8
35°	1942.4
37.5°	1634.5
40°	1380.6
42.5°	1168.0
45°	993.4
47.5°	857.0
50°	749.0
52.5°	666.5
55°	599.9
57.5°	536.4
60°	476.1
62.5°	422.1
65°	371.4
67.5°	320.6
70°	276.1
72.5°	231.8
75°	193.6
77.5°	155.5
80°	117.4
82.5°	85.8
85°	54.0
87.5°	22.2
90°	0.0



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— 0°-180°







(END OF REPORT)