

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: P252822

Luminaire Tested: **LE_6B50D010R EC6B30509024 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252822
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 EC6B30509024 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6142.6 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

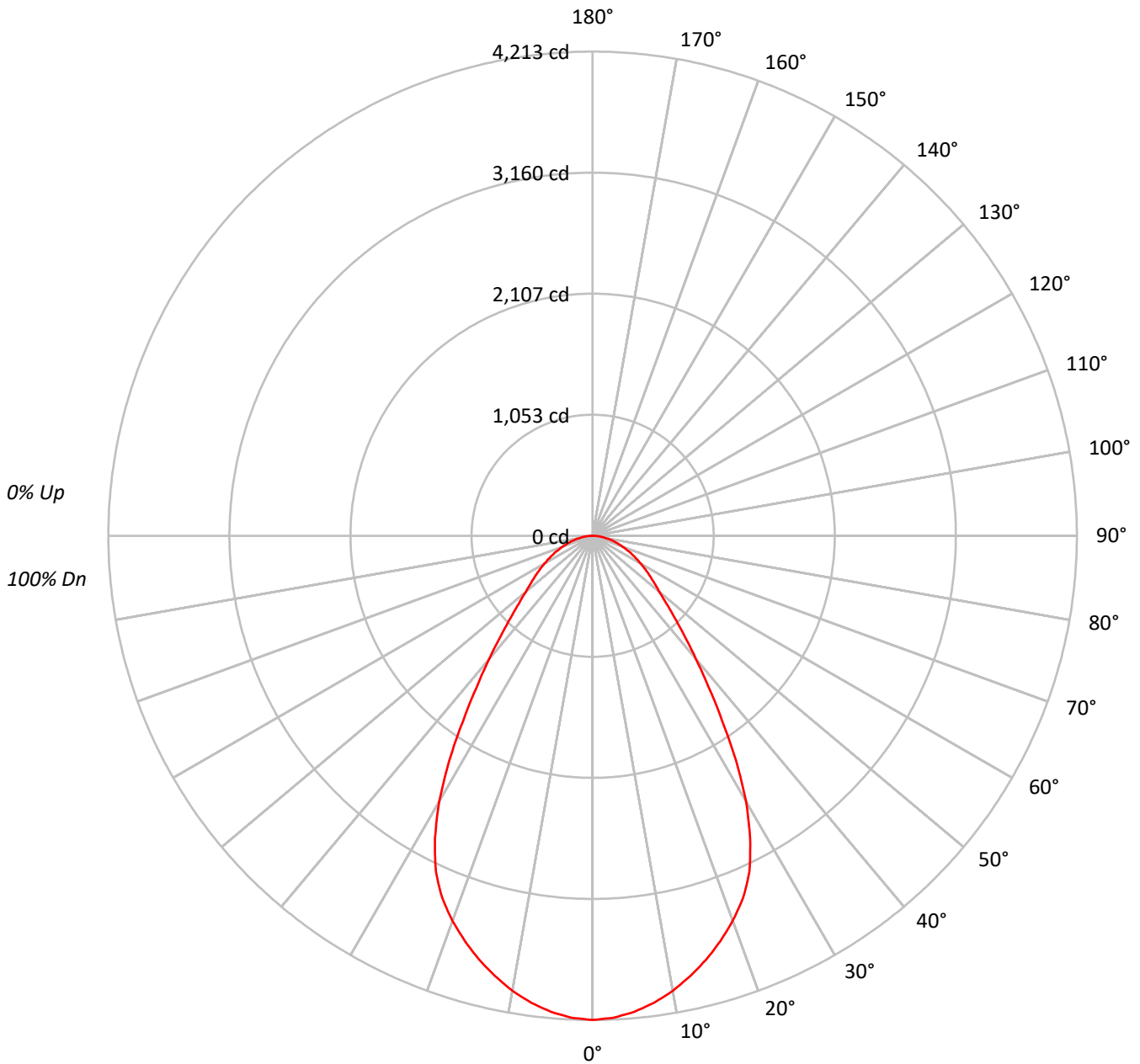
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			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			100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			88
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			69
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62			62
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56			56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51			51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47			47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43			43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39			39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	274859
5°	272333
10°	266340
15°	257876
20°	247468
25°	232310
30°	201027
35°	156517
40°	118968
45°	92735
50°	76924
55°	69031
60°	62840
65°	58013
70°	53296
75°	49381
80°	44634
85°	40871



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.5	6.4
10°-20°	1072.7	17.5
20°-30°	1461.0	23.8
30°-40°	1236.3	20.1
40°-50°	793.1	12.9
50°-60°	545.8	8.9
60°-70°	372.9	6.1
70°-80°	207.5	3.4
80°-90°	60.7	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°	2926.3	47.6
0°-40°	4162.6	67.8
0°-60°	5501.5	89.6
0°-90°	6142.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6142.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4213	
5°	4158	393
15°	3818	1073
25°	3227	1461
35°	1965	1236
45°	1005	793
55°	607	546
65°	376	373
75°	196	207
85°	55	61
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4213.0
2.5°	4197.0
5°	4158.4
7.5°	4097.4
10°	4020.4
12.5°	3924.0
15°	3818.0
17.5°	3696.0
20°	3564.4
22.5°	3416.6
25°	3227.2
27.5°	2970.2
30°	2668.5
32.5°	2321.6
35°	1965.2
37.5°	1653.8
40°	1396.9
42.5°	1181.8
45°	1005.1
47.5°	867.0
50°	757.9
52.5°	674.4
55°	606.9
57.5°	542.6
60°	481.6
62.5°	427.1
65°	375.8
67.5°	324.4
70°	279.4
72.5°	234.4
75°	195.9
77.5°	157.4
80°	118.8
82.5°	86.8
85°	54.6
87.5°	22.5
90°	0.0



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— 0°-180°







(END OF REPORT)