

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: P252823

Luminaire Tested: **LE_6B50D010R EC6B30509027 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252823
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 EC6B30509027 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6982.4 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

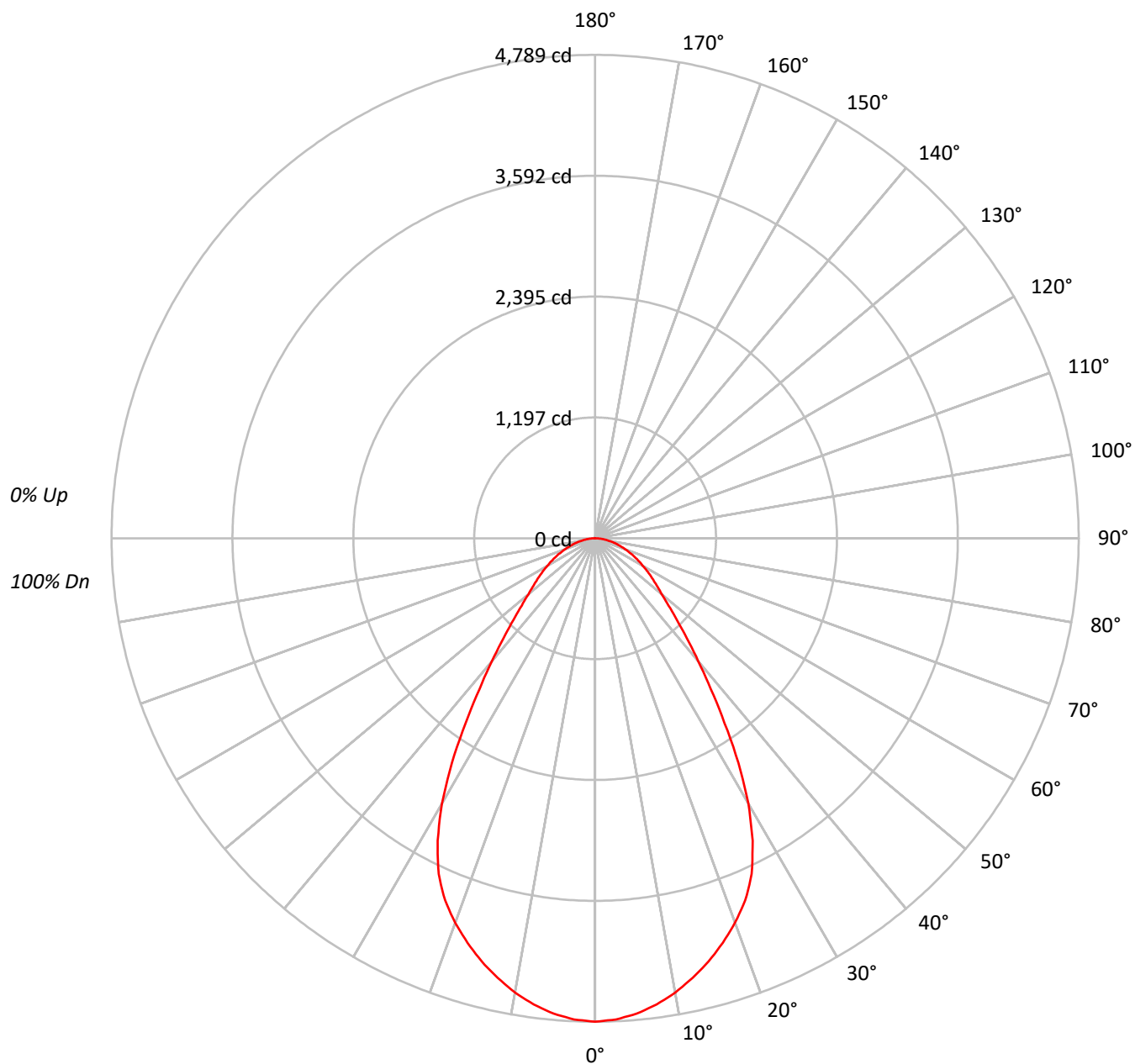
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252823

CATALOG NUMBER: LE_6B50D010R EC6B30509027 6LBBA1MW

Luminous Intensity Polar Plot





TEST NUMBER: P252823

CATALOG NUMBER: LE_6B50D010R EC6B30509027 6LBBA1MW

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°	312444
5°	309577
10°	302756
15°	293139
20°	281307
25°	264077
30°	228516
35°	177925
40°	135234
45°	105412
50°	87439
55°	78472
60°	71438
65°	65932
70°	60582
75°	56111
80°	50720
85°	46410



TEST NUMBER: P252823

CATALOG NUMBER: LE_6B50D010R EC6B30509027 6LBBA1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.2	6.4
10°-20°	1219.4	17.5
20°-30°	1660.8	23.8
30°-40°	1405.4	20.1
40°-50°	901.6	12.9
50°-60°	620.4	8.9
60°-70°	423.8	6.1
70°-80°	235.8	3.4
80°-90°	69.0	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°	3326.5	47.6
0°-40°	4731.8	67.8
0°-60°	6253.8	89.6
0°-90°	6982.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6982.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4789	
5°	4727	446
15°	4340	1219
25°	3668	1661
35°	2234	1405
45°	1142	902
55°	690	620
65°	427	424
75°	223	236
85°	62	69
90°	0	



TEST NUMBER: P252823

CATALOG NUMBER: LE_6B50D010R EC6B30509027 6LBBA1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	4789.1
2.5°	4770.9
5°	4727.1
7.5°	4657.8
10°	4570.1
12.5°	4460.6
15°	4340.1
17.5°	4201.5
20°	4051.8
22.5°	3883.9
25°	3668.5
27.5°	3376.5
30°	3033.4
32.5°	2639.1
35°	2234.0
37.5°	1879.9
40°	1587.9
42.5°	1343.2
45°	1142.5
47.5°	985.6
50°	861.5
52.5°	766.5
55°	689.9
57.5°	616.9
60°	547.5
62.5°	485.5
65°	427.1
67.5°	368.6
70°	317.6
72.5°	266.5
75°	222.6
77.5°	178.9
80°	135.0
82.5°	98.5
85°	62.0
87.5°	25.5
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)