

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: P252821

Luminaire Tested: **LE_6B50D010R EC6B30508050 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252821
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 EC6B30508050 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8800.0 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

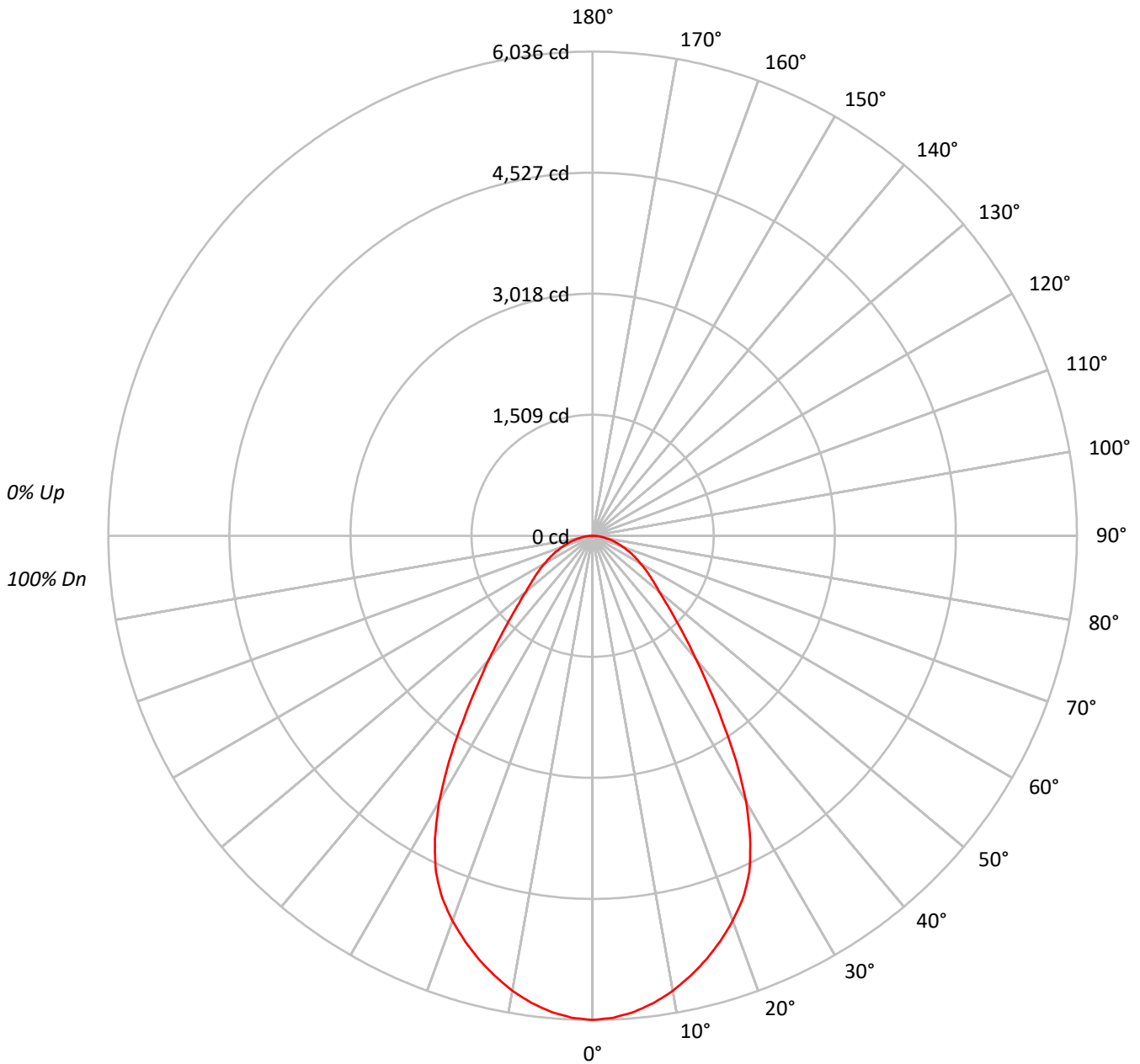
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252821

CATALOG NUMBER: LE_6B50D010R EC6B30508050 6LBBA1MW

Luminous Intensity Polar Plot





TEST NUMBER: P252821

CATALOG NUMBER: LE_6B50D010R EC6B30508050 6LBBA1MW

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°	393779
5°	390156
10°	381570
15°	369448
20°	354532
25°	332816
30°	288000
35°	224238
40°	170425
45°	132851
50°	110205
55°	98900
60°	90045
65°	83083
70°	76338
75°	70731
80°	63945
85°	58537



TEST NUMBER: P252821

CATALOG NUMBER: LE_6B50D010R EC6B30508050 6LBBA1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	562.3	6.4
10°-20°	1536.9	17.5
20°-30°	2093.1	23.8
30°-40°	1771.2	20.1
40°-50°	1136.2	12.9
50°-60°	781.9	8.9
60°-70°	534.1	6.1
70°-80°	297.2	3.4
80°-90°	87.0	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°	4192.3	47.6
0°-40°	5963.5	67.8
0°-60°	7881.7	89.6
0°-90°	8800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8800.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6036	
5°	5958	562
15°	5470	1537
25°	4623	2093
35°	2816	1771
45°	1440	1136
55°	870	782
65°	538	534
75°	281	297
85°	78	87
90°	0	



TEST NUMBER: P252821

CATALOG NUMBER: LE_6B50D010R EC6B30508050 6LBBA1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	6035.8
2.5°	6012.8
5°	5957.5
7.5°	5870.1
10°	5759.8
12.5°	5621.8
15°	5469.9
17.5°	5295.1
20°	5106.5
22.5°	4894.9
25°	4623.4
27.5°	4255.4
30°	3823.0
32.5°	3326.1
35°	2815.5
37.5°	2369.2
40°	2001.1
42.5°	1693.0
45°	1439.9
47.5°	1242.1
50°	1085.8
52.5°	966.1
55°	869.5
57.5°	777.5
60°	690.1
62.5°	611.9
65°	538.2
67.5°	464.6
70°	400.2
72.5°	335.9
75°	280.6
77.5°	225.4
80°	170.2
82.5°	124.2
85°	78.2
87.5°	32.2
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)