

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: P203377

Luminaire Tested: **LE_6B50D010R EC6B30508027 6LBMWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B50D010R EC6B30508027 6LBMWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WHEAT TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5045.1 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

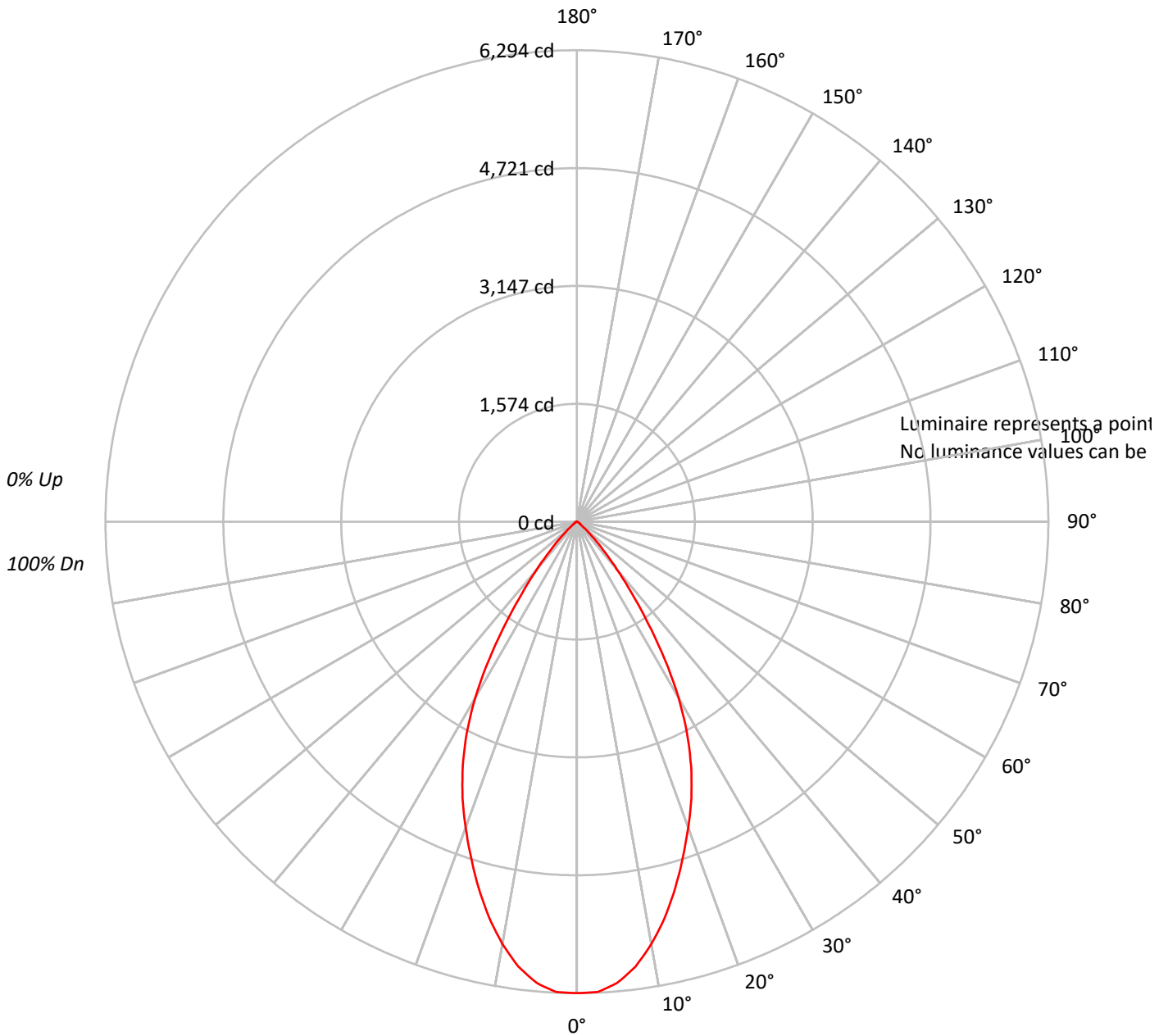
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203377

CATALOG NUMBER: LE_6B50D010R EC6B30508027 6LBMWH1

Luminous Intensity Polar Plot





TEST NUMBER: P203377

CATALOG NUMBER: LE_6B50D010R EC6B30508027 6LBMWH1

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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94			
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87			
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81			
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76			
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71			
6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66			
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62			
8	80	70	64	60	78	70	64	60	69	64	60	68	63	60	67	62	59	58			
9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55			
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203377

CATALOG NUMBER: LE_6B50D010R EC6B30508027 6LBMWH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	575.4	11.4
10°-20°	1412.6	28.0
20°-30°	1634.4	32.4
30°-40°	1044.7	20.7
40°-50°	296.2	5.9
50°-60°	52.9	1.0
60°-70°	21.6	0.4
70°-80°	7.4	0.1
80°-90°	0.0	0.0
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°	3622.3	71.8
0°-40°	4667.0	92.5
0°-60°	5016.1	99.4
0°-90°	5045.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5045.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6294	
5°	6182	575
15°	5066	1413
25°	3606	1634
35°	1649	1045
45°	344	296
55°	49	53
65°	21	22
75°	7	7
85°	0	0
90°	0	



TEST NUMBER: P203377

CATALOG NUMBER: LE_6B50D010R EC6B30508027 6LBMWH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	6293.9
2.5°	6286.9
5°	6181.6
7.5°	5992.1
10°	5725.5
12.5°	5416.9
15°	5066.0
17.5°	4701.1
20°	4343.2
22.5°	3992.5
25°	3606.5
27.5°	3185.5
30°	2715.4
32.5°	2189.1
35°	1648.9
37.5°	1192.9
40°	828.0
42.5°	547.2
45°	343.9
47.5°	203.5
50°	119.2
52.5°	70.1
55°	49.1
57.5°	42.1
60°	35.1
62.5°	28.1
65°	21.0
67.5°	14.0
70°	14.0
72.5°	7.0
75°	7.0
77.5°	7.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)