

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: P205337

Luminaire Tested: **LE_6B50D010R EC6B30509035 6LBNI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205337
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 EC6B30509035 6LBNLI1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4601.9 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

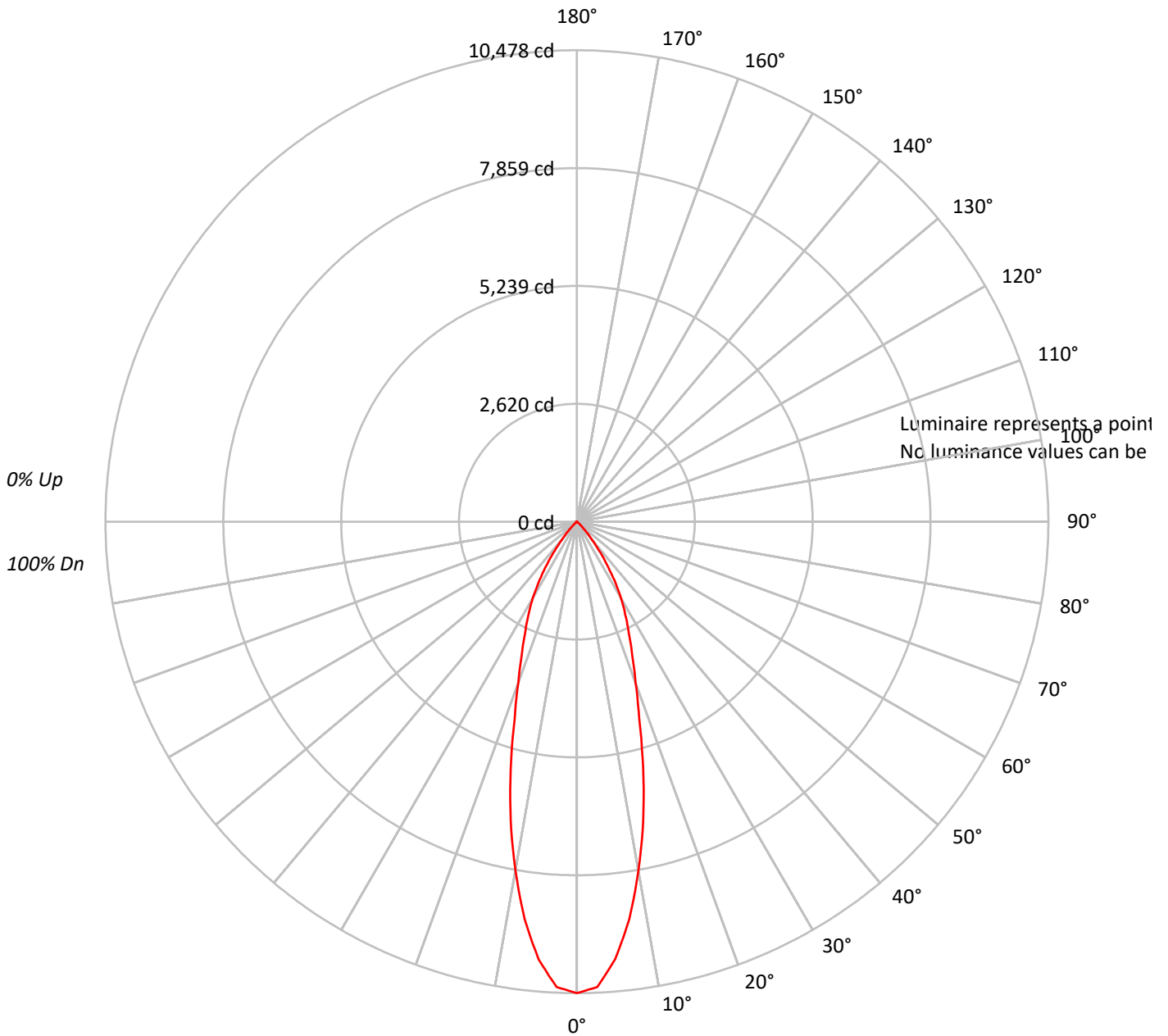
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205337

CATALOG NUMBER: LE_6B50D010R EC6B30509035 6LBNI1

Luminous Intensity Polar Plot





TEST NUMBER: P205337

CATALOG NUMBER: LE_6B50D010R EC6B30509035 6LBNLI1

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	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	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95																												
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89																												
3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85																												
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80																												
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76																												
6	92	84	79	75	90	83	78	75	82	77	74	80	76	74	79	76	73	72																												
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	68																												
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	73	69	66	65																												
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62																												
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59																												

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205337

CATALOG NUMBER: LE_6B50D010R EC6B30509035 6LBNLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	871.1	18.9
10°-20°	1563.6	34.0
20°-30°	1264.2	27.5
30°-40°	728.3	15.8
40°-50°	154.0	3.3
50°-60°	13.2	0.3
60°-70°	6.6	0.1
70°-80°	0.9	0.0
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°	3699.0	80.4
0°-40°	4427.2	96.2
0°-60°	4594.4	99.8
0°-90°	4601.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4601.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10478	
5°	9761	871
15°	5680	1564
25°	2727	1264
35°	1155	728
45°	166	154
55°	13	13
65°	7	7
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P205337

CATALOG NUMBER: LE_6B50D010R EC6B30509035 6LBNLI1

CANDELA DISTRIBUTION (FULL):

	0°
0°	10477.6
2.5°	10351.5
5°	9761.0
7.5°	8911.6
10°	7869.9
12.5°	6801.5
15°	5680.1
17.5°	4598.5
20°	3808.9
22.5°	3205.0
25°	2727.2
27.5°	2322.5
30°	1957.5
32.5°	1552.8
35°	1154.6
37.5°	802.9
40°	524.2
42.5°	318.5
45°	165.9
47.5°	66.4
50°	19.9
52.5°	19.9
55°	13.2
57.5°	13.2
60°	6.6
62.5°	6.6
65°	6.6
67.5°	6.6
70°	6.6
72.5°	0.0
75°	0.0
77.5°	0.0
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)