

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: P203371

Luminaire Tested: **LE_6B40D010 EC6B30509030 6LBMWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203371
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_6B40D010 EC6B30509030 6LBMWH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WHEAT TRIM
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57
W DL3-44.71 W DLE-39.33 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3520.5 lumens
Efficiency: N/A
Efficacy: 84.2 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

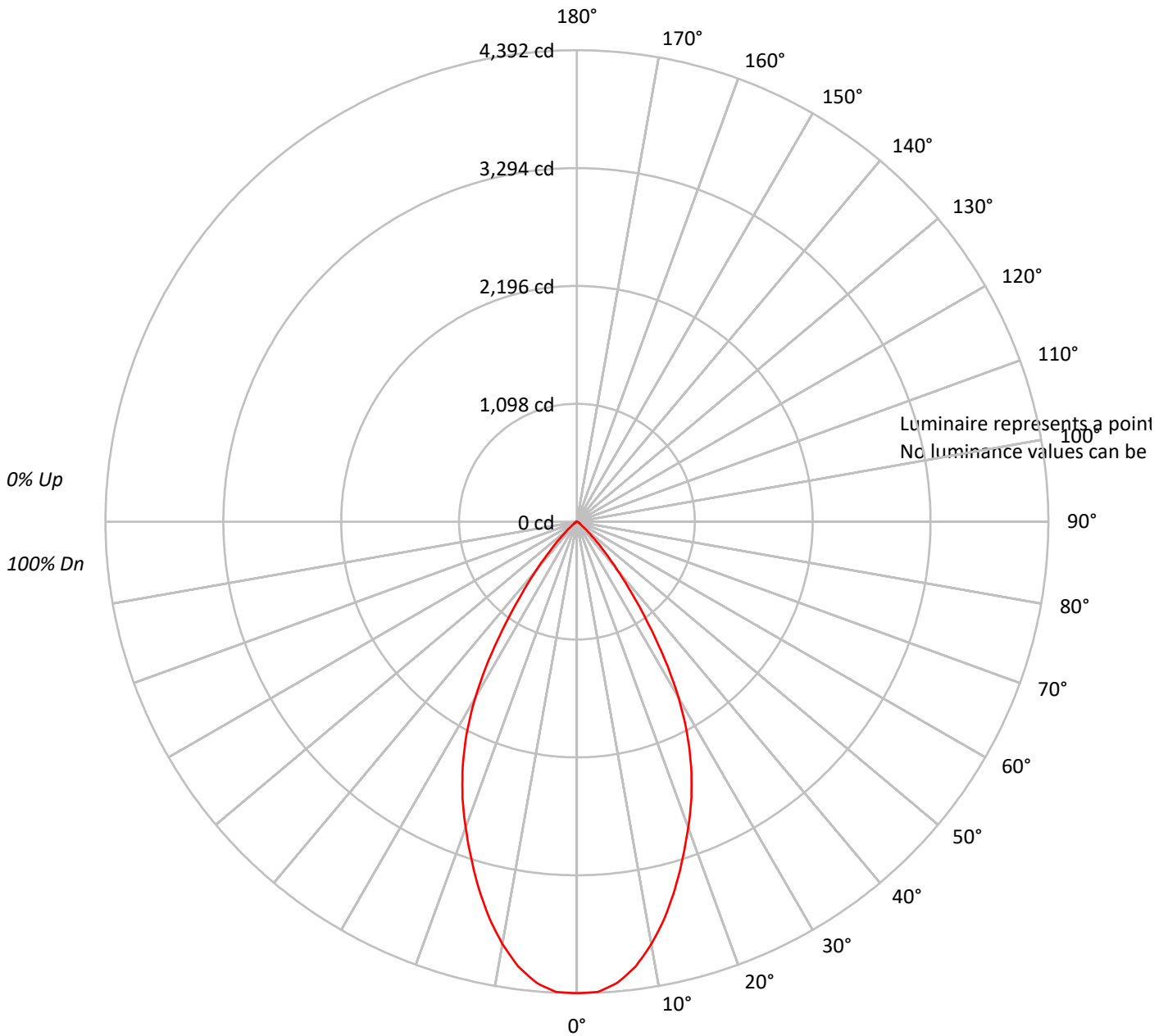
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203371

CATALOG NUMBER: LE_6B40D010 EC6B30509030 6LBMWH1

Luminous Intensity Polar Plot





TEST NUMBER: P203371

CATALOG NUMBER: LE_6B40D010 EC6B30509030 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
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: P203371

CATALOG NUMBER: LE_6B40D010 EC6B30509030 6LBMWH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.5	11.4
10°-20°	985.7	28.0
20°-30°	1140.5	32.4
30°-40°	729.0	20.7
40°-50°	206.7	5.9
50°-60°	36.9	1.0
60°-70°	15.1	0.4
70°-80°	5.2	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°	2527.7	71.8
0°-40°	3256.7	92.5
0°-60°	3500.3	99.4
0°-90°	3520.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3520.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4392	
5°	4314	401
15°	3535	986
25°	2517	1140
35°	1151	729
45°	240	207
55°	34	37
65°	15	15
75°	5	5
85°	0	0
90°	0	



TEST NUMBER: P203371

CATALOG NUMBER: LE_6B40D010 EC6B30509030 6LBMWH1

CANDELA DISTRIBUTION (FULL):

0°	
0°	4391.9
2.5°	4387.0
5°	4313.5
7.5°	4181.4
10°	3995.2
12.5°	3779.9
15°	3535.0
17.5°	3280.4
20°	3030.8
22.5°	2785.9
25°	2516.6
27.5°	2222.9
30°	1894.9
32.5°	1527.6
35°	1150.6
37.5°	832.4
40°	577.8
42.5°	381.9
45°	239.9
47.5°	142.0
50°	83.2
52.5°	49.0
55°	34.2
57.5°	29.4
60°	24.5
62.5°	19.6
65°	14.8
67.5°	9.8
70°	9.8
72.5°	4.9
75°	4.9
77.5°	4.9
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)