

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: io LED

Report Number: P202645

Luminaire Tested: **LD6B40D010 EU6B30508035 6LBMWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202645
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: io LED
Catalog Number: LD6B40D010 EU6B30508035 6LBMWMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WARM HAZE 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: 3358.5 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.89
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

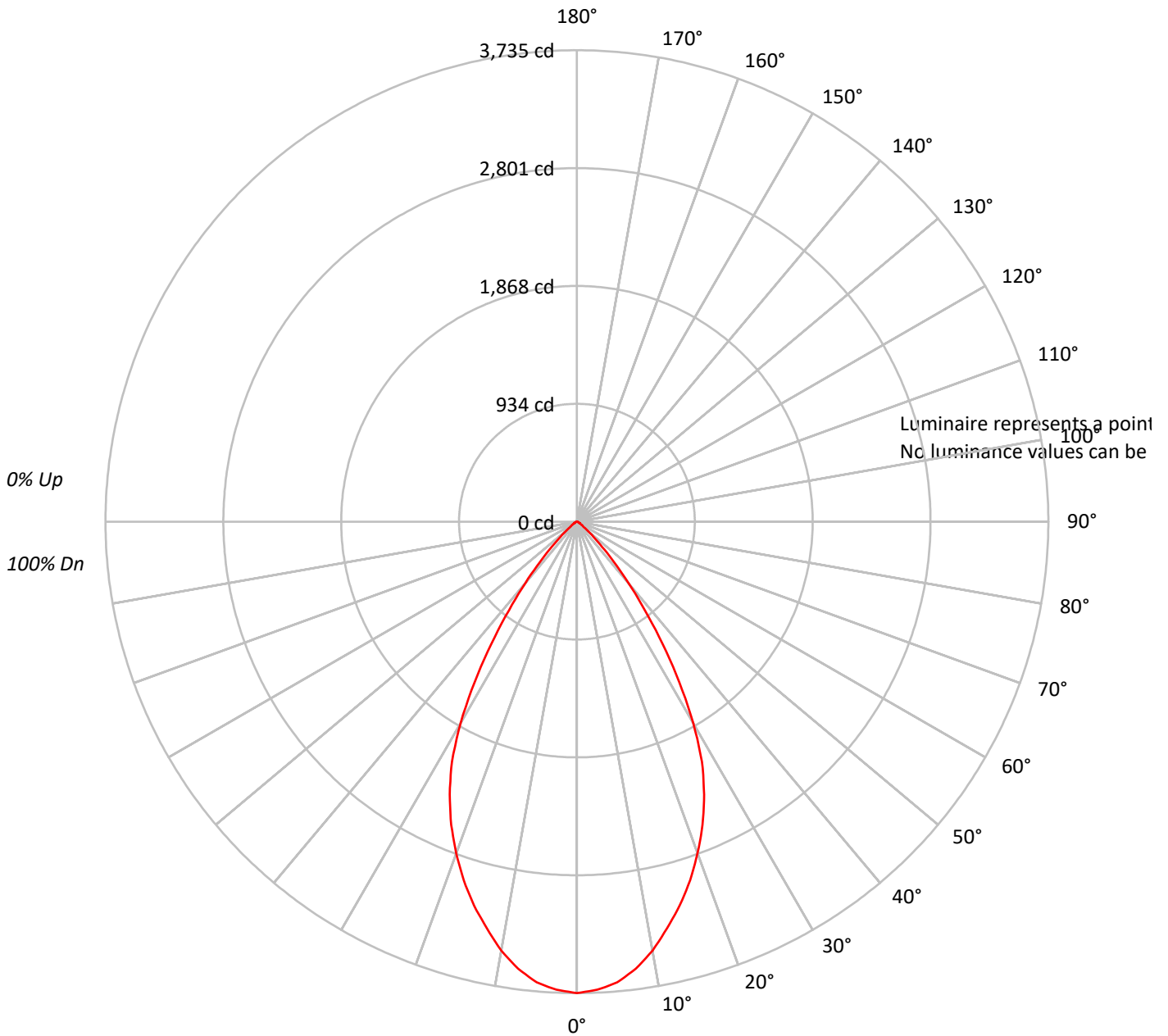
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202645

CATALOG NUMBER: LD6B40D010 EU6B30508035 6LBMWMH1

Luminous Intensity Polar Plot





TEST NUMBER: P202645

CATALOG NUMBER: LD6B40D010 EU6B30508035 6LBMWMH1

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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86			
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74			
5	92	83	77	73	90	82	77	73	80	76	72	79	75	71	77	74	71	69			
6	87	78	72	67	85	77	71	67	76	71	67	74	70	66	73	69	66	64			
7	83	73	67	63	81	72	67	63	71	66	62	70	65	62	69	65	62	60			
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56			
9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	62	57	54	53			
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P202645

CATALOG NUMBER: LD6B40D010 EU6B30508035 6LBMWMH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.8	10.2
10°-20°	880.0	26.2
20°-30°	1080.9	32.2
30°-40°	741.1	22.1
40°-50°	238.2	7.1
50°-60°	48.3	1.4
60°-70°	19.0	0.6
70°-80°	7.1	0.2
80°-90°	1.1	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°	2303.7	68.6
0°-40°	3044.8	90.7
0°-60°	3331.3	99.2
0°-90°	3358.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3358.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3735	
5°	3664	343
15°	3148	880
25°	2385	1081
35°	1182	741
45°	282	238
55°	48	48
65°	20	19
75°	6	7
85°	0	1
90°	0	



TEST NUMBER: P202645

CATALOG NUMBER: LD6B40D010 EU6B30508035 6LBMWMH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	3735.0
2.5°	3712.2
5°	3663.8
7.5°	3572.6
10°	3450.1
12.5°	3299.1
15°	3148.1
17.5°	2980.0
20°	2794.9
22.5°	2601.1
25°	2384.6
27.5°	2145.3
30°	1843.3
32.5°	1510.0
35°	1182.3
37.5°	883.2
40°	635.3
42.5°	433.0
45°	282.1
47.5°	173.8
50°	105.4
52.5°	65.5
55°	48.4
57.5°	37.0
60°	28.5
62.5°	22.8
65°	19.9
67.5°	14.2
70°	11.4
72.5°	8.5
75°	5.7
77.5°	5.7
80°	2.8
82.5°	2.8
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)