

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: P201218

Luminaire Tested: **LD6B40D010 EU6B30508035 6LBN1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P201218
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35135)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B40D010 EU6B30508035 6LBN1LI
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SPECULAR CLEAR TRIM
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3404.0 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58
Luminous Opening: Circular (Dia: 1.12' x H: 0')
CIE Type: Direct

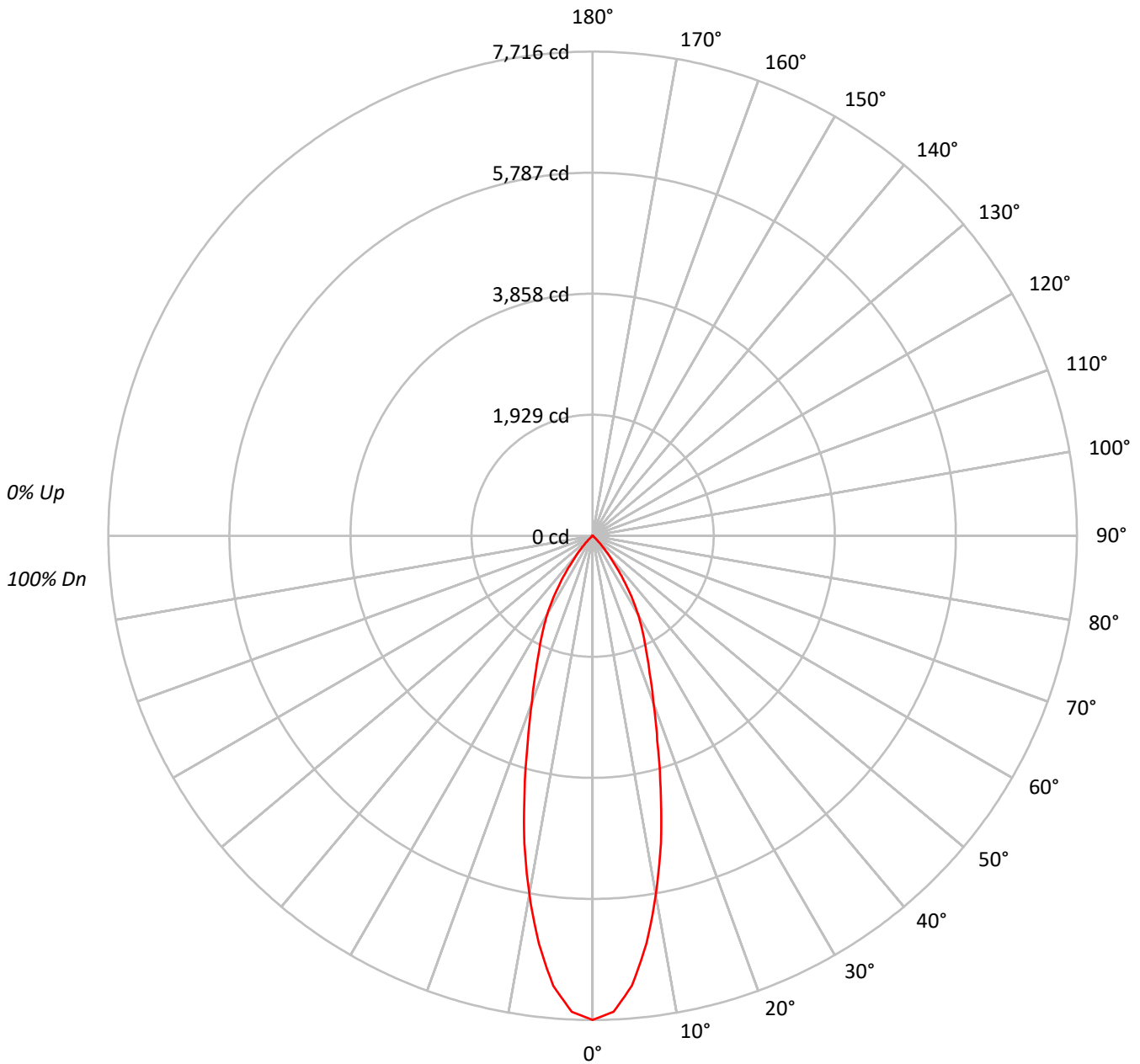
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P201218

CATALOG NUMBER: LD6B40D010 EU6B30508035 6LBN1LI

Luminous Intensity Polar Plot





TEST NUMBER: P201218

CATALOG NUMBER: LD6B40D010 EU6B30508035 6LBN1LI

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	112	109	107	112	109	107	106	105	104	102	102	100	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	92	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	80	78	83	80	77	76			
6	92	84	79	75	90	83	78	74	82	77	74	80	76	74	79	76	73	72			
7	88	80	74	71	87	79	74	70	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):

	0°
0°	83556
5°	78215
10°	63830
15°	46892
20°	32607
25°	24099
30°	18066
35°	11271
40°	5500
45°	1928
50°	290
55°	215
60°	123
65°	74
70°	92
75°	0
80°	0
85°	0



TEST NUMBER: P201218

CATALOG NUMBER: LD6B40D010 EU6B30508035 6LBN1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	641.3	18.8
10°-20°	1156.9	34.0
20°-30°	937.1	27.5
30°-40°	538.3	15.8
40°-50°	115.2	3.4
50°-60°	10.2	0.3
60°-70°	3.9	0.1
70°-80°	1.1	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°	2735.4	80.4
0°-40°	3273.7	96.2
0°-60°	3399.0	99.9
0°-90°	3404.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3404.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7716	
5°	7196	641
15°	4183	1157
25°	2017	937
35°	853	538
45°	126	115
55°	11	10
65°	3	4
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P201218

CATALOG NUMBER: LD6B40D010 EU6B30508035 6LBN1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	7716.2
2.5°	7593.2
5°	7195.5
7.5°	6557.5
10°	5805.0
12.5°	5021.1
15°	4182.8
17.5°	3427.5
20°	2829.6
22.5°	2377.5
25°	2017.0
27.5°	1725.2
30°	1444.8
32.5°	1153.0
35°	852.6
37.5°	589.4
40°	389.1
42.5°	234.6
45°	125.9
47.5°	51.5
50°	17.2
52.5°	14.3
55°	11.4
57.5°	8.6
60°	5.7
62.5°	5.7
65°	2.9
67.5°	2.9
70°	2.9
72.5°	2.9
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)