

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: P135490

Luminaire Tested: **LD6A30D010TE ERM6A30835 6LM1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P135490
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23371)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6A30D010TE ERM6A30835 6LM1H
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 3500K
Ballast/Driver: ELECTRONIC DRIVER

Summary

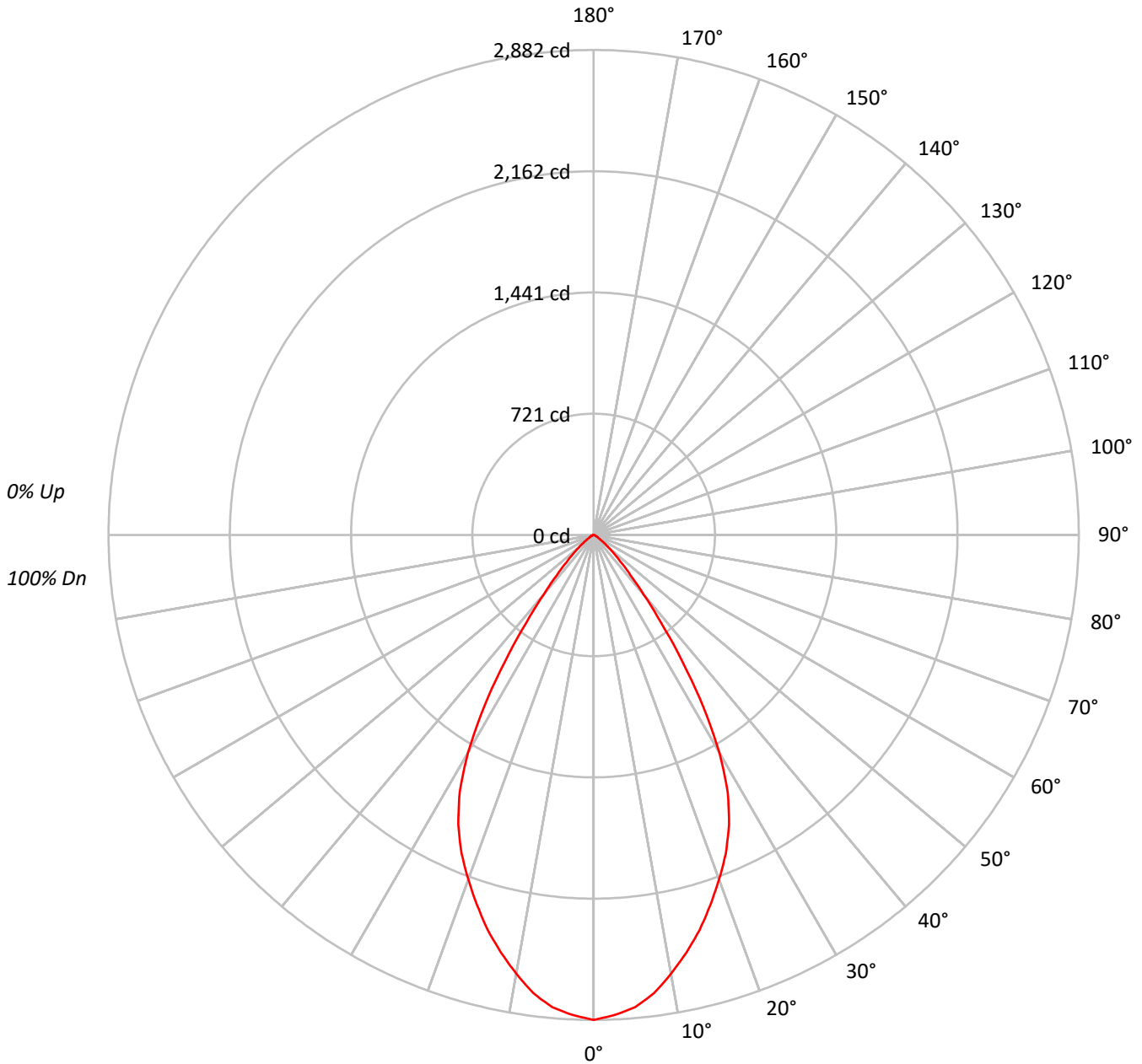
Lumens per Lamp: N/A
Luminaire Lumens: 2644.0 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.9
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

Input Watts (W): 45.4
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: P135490
CATALOG NUMBER: LD6A30D010TE ERM6A30835 6LM1H

Luminous Intensity Polar Plot





TEST NUMBER: P135490

CATALOG NUMBER: LD6A30D010TE ERM6A30835 6LM1H

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	102	101	101	99	98	97	96	95	93			
2	108	103	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88	86			
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80			
4	97	89	83	79	95	88	82	78	85	81	77	83	80	76	82	78	76	74			
5	91	83	77	73	90	82	76	72	80	75	72	78	74	71	77	73	70	69			
6	87	78	71	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64			
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60			
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56			
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52			
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	188037
5°	184531
10°	175402
15°	164175
20°	151248
25°	136980
30°	112428
35°	73089
40°	39202
45°	21101
50°	11611
55°	5664
60°	3445
65°	2269
70°	1679
75°	731
80°	1090
85°	0



TEST NUMBER: P135490

CATALOG NUMBER: LD6A30D010TE ERM6A30835 6LM1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.6	10.0
10°-20°	679.9	25.7
20°-30°	860.2	32.5
30°-40°	578.2	21.9
40°-50°	190.0	7.2
50°-60°	51.2	1.9
60°-70°	15.9	0.6
70°-80°	4.6	0.2
80°-90°	0.4	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°	1803.6	68.2
0°-40°	2381.9	90.1
0°-60°	2623.1	99.2
0°-90°	2644.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2644.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2882	
5°	2818	264
15°	2431	680
25°	1903	860
35°	918	578
45°	229	190
55°	50	51
65°	15	16
75°	3	5
85°	0	0
90°	0	



TEST NUMBER: P135490

CATALOG NUMBER: LD6A30D010TE ERM6A30835 6LM1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	2882.2
2.5°	2855.8
5°	2817.7
7.5°	2747.3
10°	2647.7
12.5°	2542.1
15°	2430.7
17.5°	2304.6
20°	2178.5
22.5°	2049.5
25°	1902.9
27.5°	1724.1
30°	1492.4
32.5°	1213.9
35°	917.7
37.5°	656.8
40°	460.3
42.5°	322.5
45°	228.7
47.5°	161.3
50°	114.4
52.5°	76.2
55°	49.8
57.5°	35.2
60°	26.4
62.5°	20.5
65°	14.7
67.5°	11.7
70°	8.8
72.5°	5.9
75°	2.9
77.5°	2.9
80°	2.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)