

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: P135402

Luminaire Tested: **LD6A10D010TE ERM6A10835 6LM1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P135402
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: LD6A10D010TE ERM6A10835 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

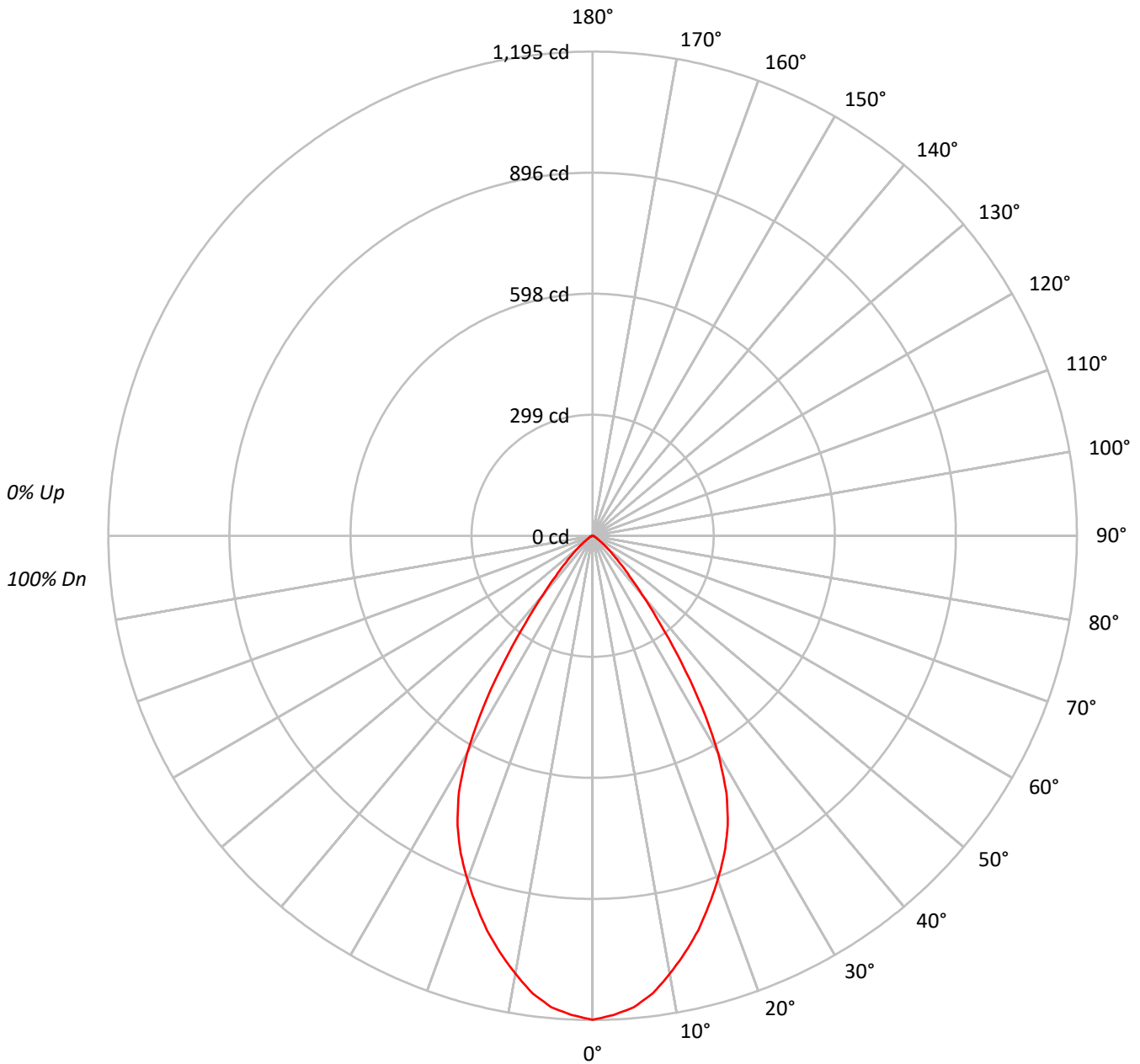
Lumens per Lamp: N/A
Luminaire Lumens: 1096.0 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.9
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

Input Watts (W): 14
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: P135402
CATALOG NUMBER: LD6A10D010TE ERM6A10835 6LM1H

Luminous Intensity Polar Plot





TEST NUMBER: P135402

CATALOG NUMBER: LD6A10D010TE ERM6A10835 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°	77943
5°	76492
10°	72706
15°	68055
20°	62693
25°	56782
30°	46601
35°	30297
40°	16250
45°	8747
50°	4811
55°	2354
60°	1422
65°	942
70°	687
75°	302
80°	451
85°	0



TEST NUMBER: P135402

CATALOG NUMBER: LD6A10D010TE ERM6A10835 6LM1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.2	10.0
10°-20°	281.8	25.7
20°-30°	356.6	32.5
30°-40°	239.7	21.9
40°-50°	78.8	7.2
50°-60°	21.2	1.9
60°-70°	6.6	0.6
70°-80°	1.9	0.2
80°-90°	0.2	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°	747.7	68.2
0°-40°	987.3	90.1
0°-60°	1087.3	99.2
0°-90°	1096.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1096.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1195	
5°	1168	109
15°	1008	282
25°	789	357
35°	380	240
45°	95	79
55°	21	21
65°	6	7
75°	1	2
85°	0	0
90°	0	



TEST NUMBER: P135402

CATALOG NUMBER: LD6A10D010TE ERM6A10835 6LM1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	1194.7
2.5°	1183.8
5°	1168.0
7.5°	1138.8
10°	1097.5
12.5°	1053.8
15°	1007.6
17.5°	955.3
20°	903.0
22.5°	849.6
25°	788.8
27.5°	714.7
30°	618.6
32.5°	503.2
35°	380.4
37.5°	272.3
40°	190.8
42.5°	133.7
45°	94.8
47.5°	66.8
50°	47.4
52.5°	31.6
55°	20.7
57.5°	14.6
60°	10.9
62.5°	8.5
65°	6.1
67.5°	4.9
70°	3.6
72.5°	2.4
75°	1.2
77.5°	1.2
80°	1.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)