

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: P135348

Luminaire Tested: **LD6A20D010TE ERM6A20927 6LM1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P135348
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23398)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6A20D010TE ERM6A20927 6LM1LI
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 2700K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2154.8 lumens
Efficiency: N/A
Efficacy: 65.7 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.8
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

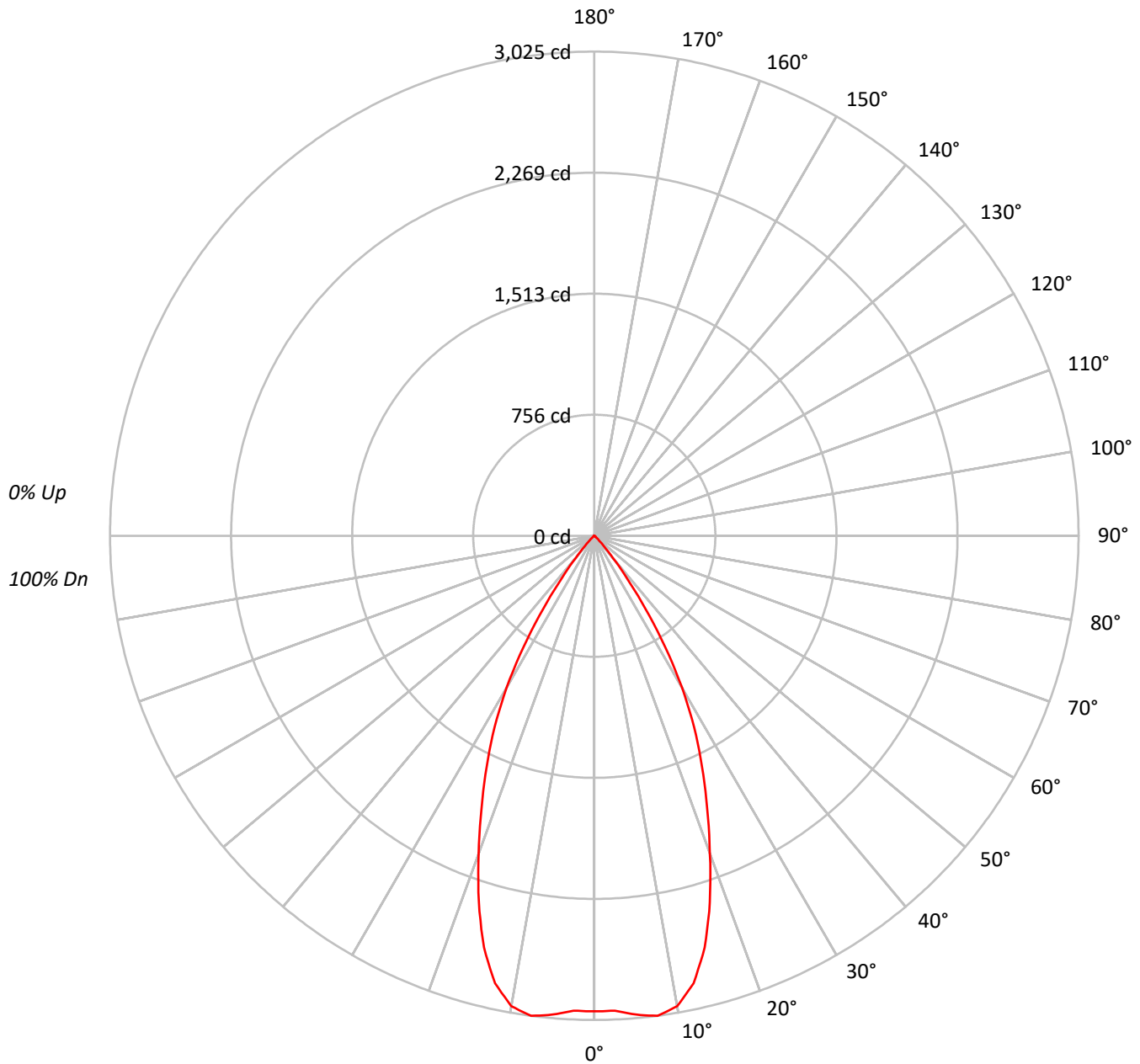
Input Watts (W): 32.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P135348

CATALOG NUMBER: LD6A20D010TE ERM6A20927 6LM1LI

Luminous Intensity Polar Plot





TEST NUMBER: P135348

CATALOG NUMBER: LD6A20D010TE ERM6A20927 6LM1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94		
2	109	104	101	98	107	103	99	96	99	97	94	97	94	92	94	92	90	89		
3	104	98	93	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84		
4	99	92	87	83	98	91	87	83	89	85	82	87	84	81	85	82	80	79		
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74		
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70		
7	87	78	72	69	85	77	72	68	76	71	68	75	71	68	74	70	67	66		
8	83	74	69	65	82	73	68	65	72	68	64	71	67	64	70	67	64	63		
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	61	59		
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	56		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	193856
5°	196686
10°	197708
15°	179892
20°	146576
25°	114528
30°	82528
35°	44091
40°	15347
45°	4161
50°	1330
55°	660
60°	391
65°	232
70°	286
75°	378
80°	0
85°	0



TEST NUMBER: P135348

CATALOG NUMBER: LD6A20D010TE ERM6A20927 6LM1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.6	13.3
10°-20°	729.4	33.9
20°-30°	725.1	33.7
30°-40°	357.0	16.6
40°-50°	48.0	2.2
50°-60°	5.6	0.3
60°-70°	2.0	0.1
70°-80°	1.0	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°	1741.2	80.8
0°-40°	2098.1	97.4
0°-60°	2151.8	99.9
0°-90°	2154.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2154.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2971	
5°	3003	287
15°	2663	729
25°	1591	725
35°	554	357
45°	45	48
55°	6	6
65°	2	2
75°	2	1
85°	0	0
90°	0	



TEST NUMBER: P135348

CATALOG NUMBER: LD6A20D010TE ERM6A20927 6LM1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	2971.4
2.5°	2969.9
5°	3003.3
7.5°	3025.2
10°	2984.4
12.5°	2863.8
15°	2663.4
17.5°	2400.3
20°	2111.2
22.5°	1839.5
25°	1591.0
27.5°	1349.8
30°	1095.5
32.5°	822.4
35°	553.6
37.5°	332.7
40°	180.2
42.5°	93.0
45°	45.1
47.5°	21.8
50°	13.1
52.5°	7.3
55°	5.8
57.5°	4.3
60°	3.0
62.5°	3.0
65°	1.5
67.5°	1.5
70°	1.5
72.5°	1.5
75°	1.5
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)