

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: P135281

Luminaire Tested: **LD6A10D010TE ERM6A10830 6LM1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P135281
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: LD6A10D010TE ERM6A10830 6LM1LI
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

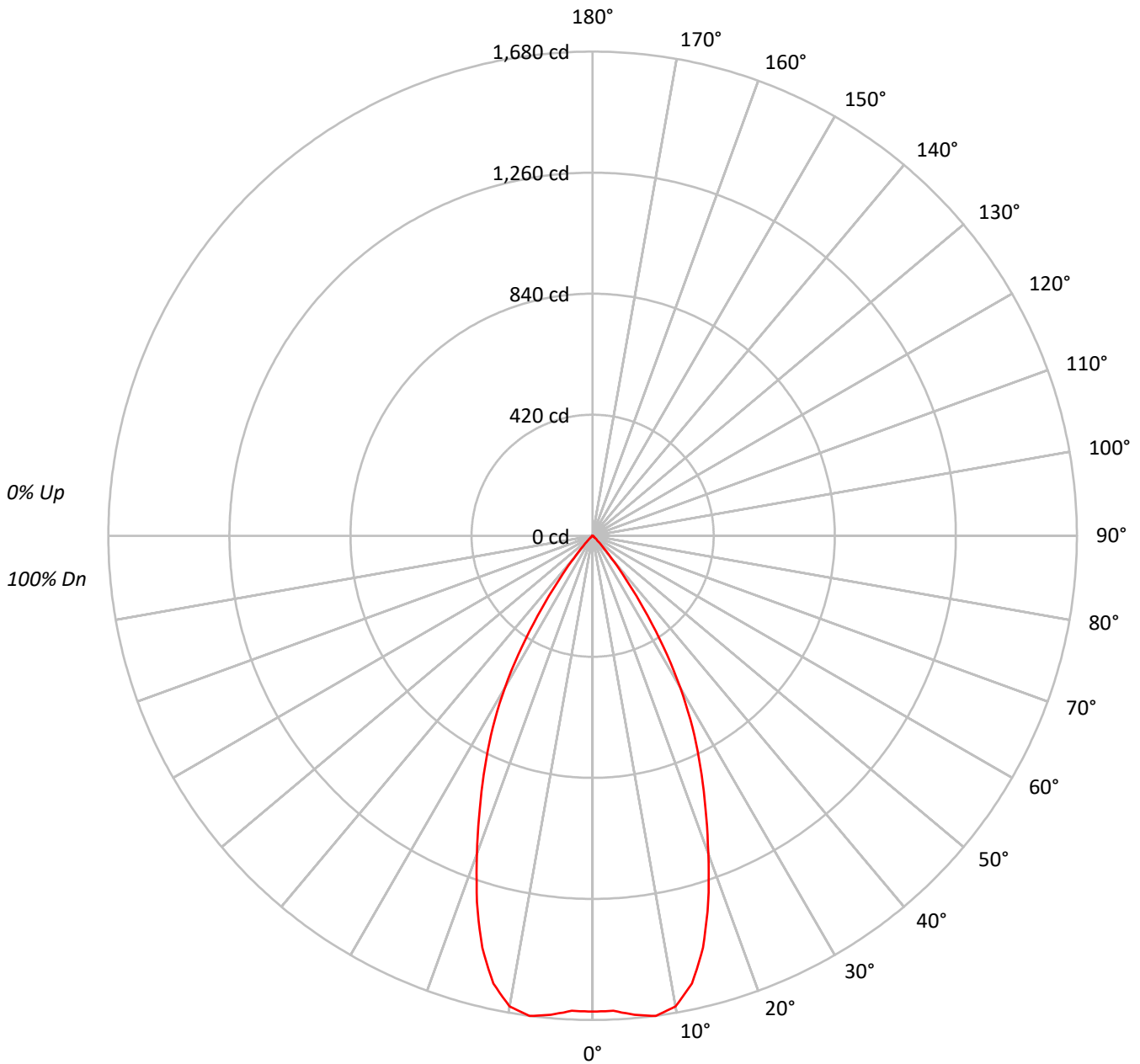
Lumens per Lamp: N/A
Luminaire Lumens: 1197.0 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.8
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

Input Watts (W): 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



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Luminous Intensity Polar Plot





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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	111	109	107	112	109	107	105	105	104	102	102	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	71	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°	107693
5°	109263
10°	109831
15°	99935
20°	81425
25°	63628
30°	45848
35°	24491
40°	8525
45°	2307
50°	741
55°	364
60°	209
65°	123
70°	153
75°	202
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.2	13.3
10°-20°	405.2	33.9
20°-30°	402.8	33.7
30°-40°	198.3	16.6
40°-50°	26.7	2.2
50°-60°	3.1	0.3
60°-70°	1.1	0.1
70°-80°	0.5	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°	967.3	80.8
0°-40°	1165.6	97.4
0°-60°	1195.4	99.9
0°-90°	1197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1197.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1651	
5°	1668	159
15°	1480	405
25°	884	403
35°	308	198
45°	25	27
55°	3	3
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1650.7
2.5°	1649.9
5°	1668.4
7.5°	1680.5
10°	1657.9
12.5°	1591.0
15°	1479.6
17.5°	1333.5
20°	1172.8
22.5°	1021.9
25°	883.9
27.5°	749.9
30°	608.6
32.5°	456.9
35°	307.5
37.5°	184.8
40°	100.1
42.5°	51.7
45°	25.0
47.5°	12.1
50°	7.3
52.5°	4.0
55°	3.2
57.5°	2.4
60°	1.6
62.5°	1.6
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)