

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: P264184

Luminaire Tested: **LD2B05D010 EU2B0510SP159024 2LBSQC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264184
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-787-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B05D010 EU2B0510SP159024 2LBSQC*MMS
Description: 500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

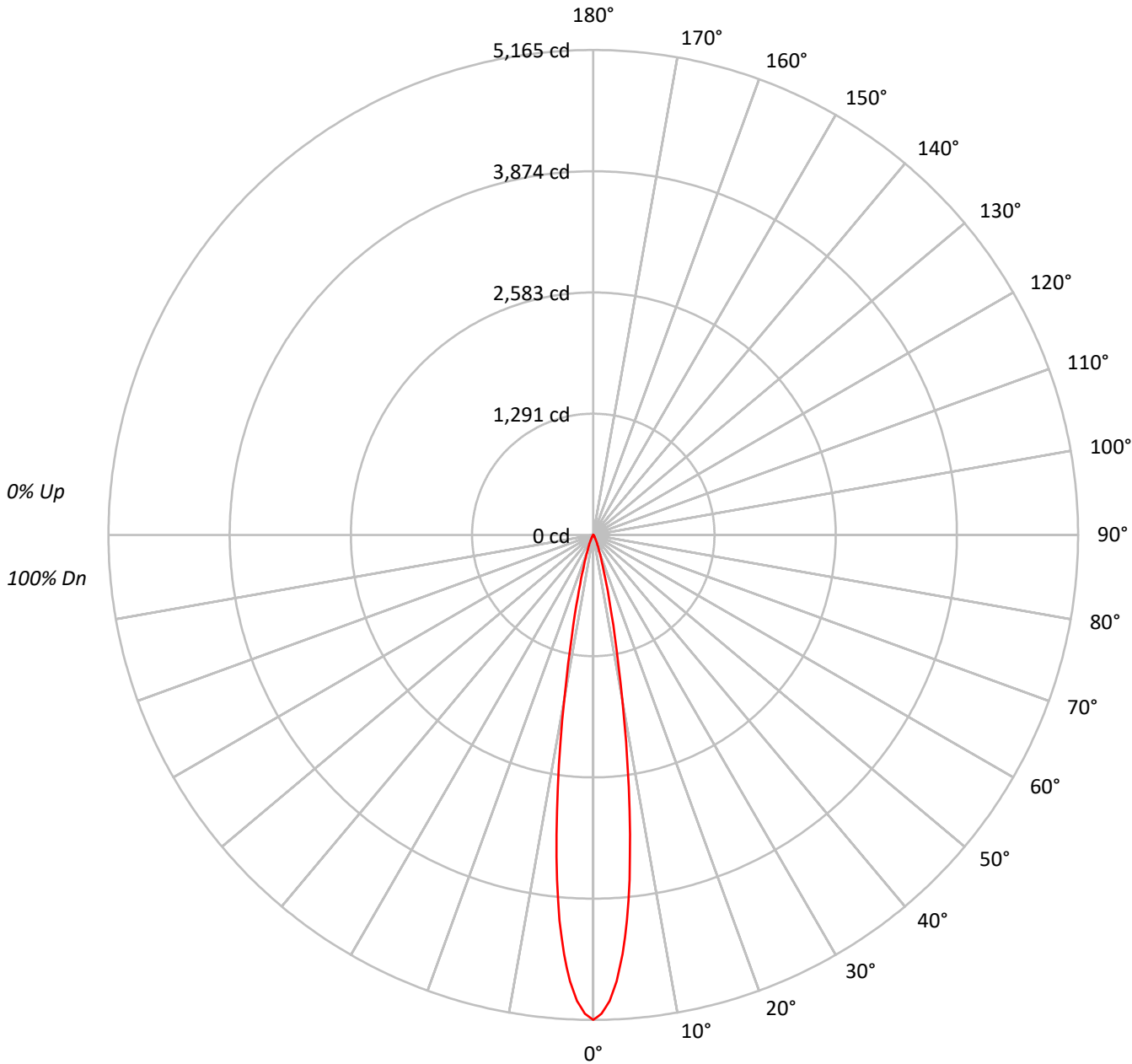
Lumens per Lamp: N/A
Luminaire Lumens: 540.1 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.3
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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20								20											20								
RC	80								50											10	0							
RW	70	50	30	10					70	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	116	114	112	111					113	112	110	109							108	107	106	104	103	102	101	100	100	98
2	113	109	107	105					111	108	106	104							105	103	101	102	101	99	99	98	97	96
3	110	106	103	100					108	105	102	100							102	100	98	100	98	97	98	96	95	94
4	107	103	99	97					106	102	99	96							100	97	95	98	96	94	96	95	93	92
5	105	100	97	94					104	99	96	94							98	95	93	96	94	92	95	93	91	90
6	103	98	94	92					102	97	94	91							96	93	91	94	92	90	93	91	90	89
7	101	95	92	90					100	95	92	89							94	91	89	93	90	89	92	90	88	87
8	99	93	90	88					98	93	90	88							92	89	87	91	89	87	91	88	87	86
9	97	92	88	86					96	91	88	86							91	88	86	90	87	86	89	87	85	85
10	95	90	87	85					95	90	87	85							89	86	84	89	86	84	88	86	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2548066
5°	2042396
10°	891431
15°	276222
20°	96290
25°	42515
30°	19255
35°	9998
40°	5732
45°	2721
50°	1689
55°	946
60°	592
65°	700
70°	0
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.2	58.0
10°-20°	171.5	31.8
20°-30°	39.1	7.2
30°-40°	11.2	2.1
40°-50°	3.5	0.6
50°-60°	1.1	0.2
60°-70°	0.5	0.1
70°-80°	0.0	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°	523.8	97.0
0°-40°	535.0	99.1
0°-60°	539.6	99.9
0°-90°	540.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	540.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5165	
5°	4124	313
15°	541	172
25°	78	39
35°	17	11
45°	4	3
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5164.7
1°	5100.4
2°	4966.8
3°	4759.6
4°	4474.8
5°	4124.0
6°	3694.0
7°	3213.5
8°	2712.0
9°	2226.6
10°	1779.4
11°	1400.9
12°	1102.8
13°	867.8
14°	685.5
15°	540.8
16°	426.7
17°	339.7
18°	273.2
19°	222.2
20°	183.4
22.5°	118.6
25°	78.1
26°	65.9
27°	56.0
28°	47.1
29°	39.3
30°	33.8
32.5°	23.3
35°	16.6
37.5°	12.2
40°	8.9
42.5°	6.1
45°	3.9
47.5°	2.8
50°	2.2
52.5°	1.7
55°	1.1
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.6



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CANDELA DISTRIBUTION (continued):

	0°
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







70°		0.0
72.5°		0.0



(END OF REPORT)