

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: P#

Luminaire Tested: **LSSQ2B05WFL559030D010 2LBDC\*MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14810)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSSQ2B05WFL559030D010 2LBDC\*MW  
Description: 500 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
CAST ROUND TRIM WITH MATTE WHITE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

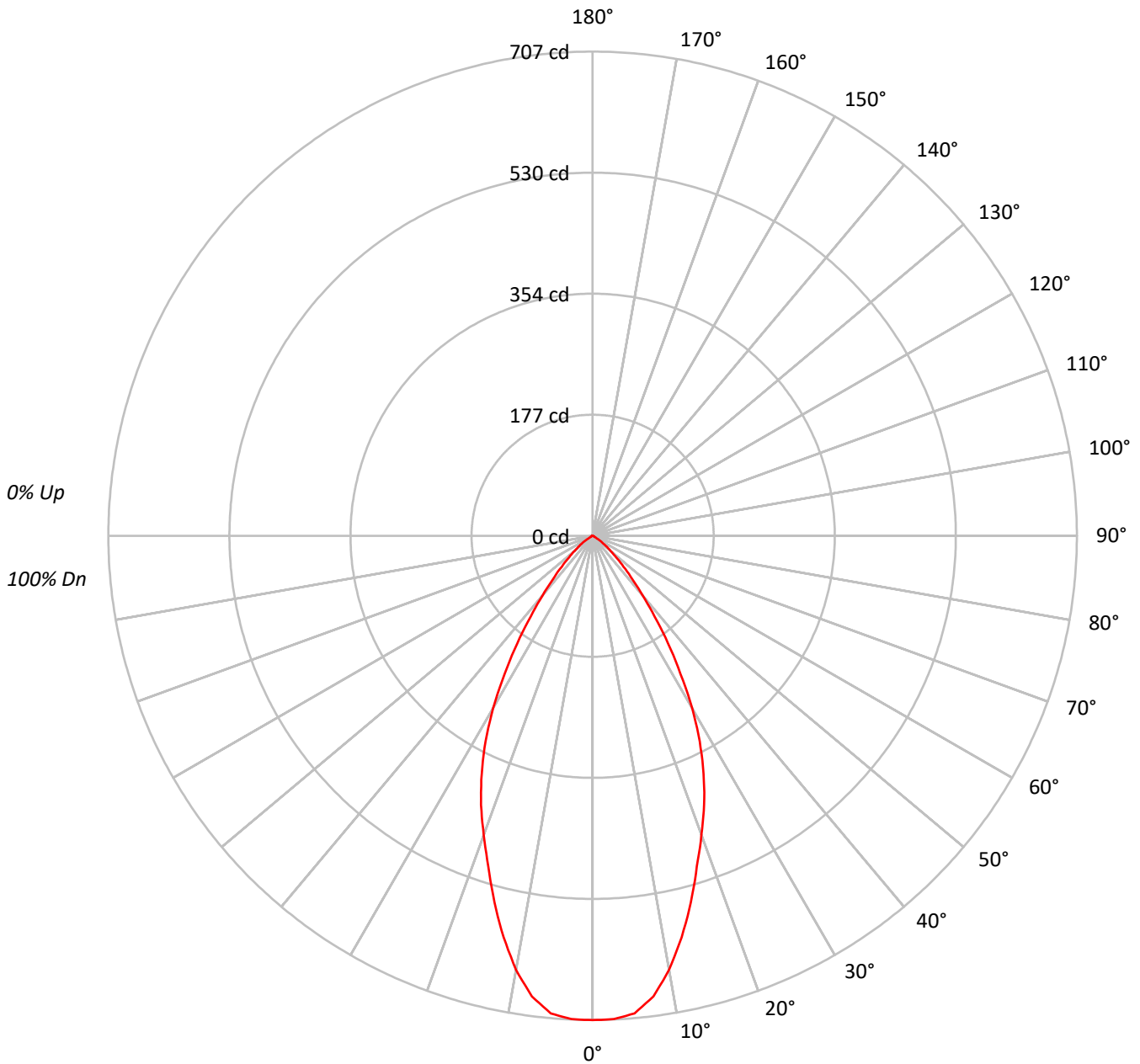
Lumens per Lamp: N/A  
Luminaire Lumens: 584.1 lumens  
Efficiency: N/A  
Efficacy: 80.0 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

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				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	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93			
2	108	102	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	85	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	72	90	82	76	72	80	75	71	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	62	69	64	61	60			
8	78	69	62	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56			
9	74	65	59	55	73	64	58	54	63	58	54	62	57	54	61	57	54	53			
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	273931
5°	272217
10°	253063
15°	222160
20°	191510
25°	163775
30°	129976
35°	90600
40°	57340
45°	35004
50°	20669
55°	11345
60°	2479
65°	2200
70°	1812
75°	2395
80°	1785
85°	3555



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.0	11.1
10°-20°	154.3	26.4
20°-30°	174.1	29.8
30°-40°	120.4	20.6
40°-50°	51.3	8.8
50°-60°	14.8	2.5
60°-70°	2.2	0.4
70°-80°	1.4	0.2
80°-90°	0.5	0.1
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°	393.3	67.3
0°-40°	513.8	88.0
0°-60°	580.0	99.3
0°-90°	584.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	584.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	707	
5°	700	65
15°	554	154
25°	383	174
35°	192	120
45°	64	51
55°	17	15
65°	2	2
75°	2	1
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	707.2
2.5°	706.4
5°	700.1
7.5°	678.5
10°	643.4
12.5°	600.3
15°	554.0
17.5°	506.1
20°	464.6
22.5°	425.5
25°	383.2
27.5°	338.5
30°	290.6
32.5°	238.7
35°	191.6
37.5°	148.5
40°	113.4
42.5°	85.4
45°	63.9
47.5°	46.3
50°	34.3
52.5°	24.7
55°	16.8
57.5°	7.2
60°	3.2
62.5°	2.4
65°	2.4
67.5°	1.6
70°	1.6
72.5°	1.6
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)