

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: **LSR2B05WFL558030D010 2LBD\*WH**

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 (P14804)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSR2B05WFL558030D010 2LBD\*WH  
Description: 500 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
SPUN ROUND TRIM WITH WHEAT HAZE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

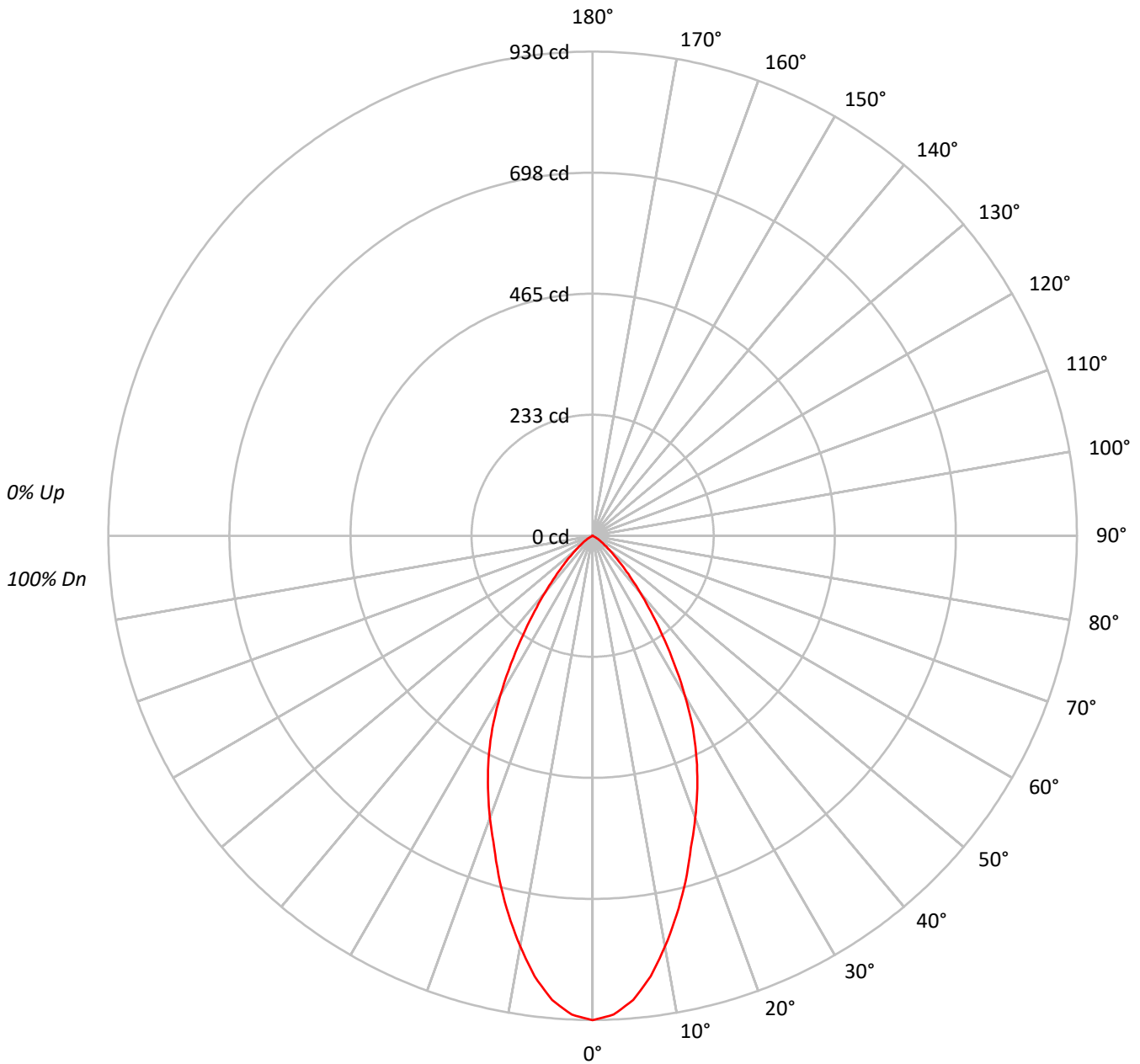
Lumens per Lamp: N/A  
Luminaire Lumens: 720.0 lumens  
Efficiency: N/A  
Efficacy: 98.6 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.81  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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																	
RC	80									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	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	103	101	101	99	98	97	96	95	93																											
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	87																											
3	102	96	90	86	100	94	90	86	92	88	84	89	86	83	87	84	82	80																											
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74																											
5	92	83	77	73	90	82	77	73	80	76	72	79	75	71	77	74	71	69																											
6	87	78	72	68	86	77	71	67	76	71	67	74	70	66	73	69	66	64																											
7	83	73	67	63	81	73	67	63	71	66	62	70	65	62	69	65	62	60																											
8	79	69	63	59	77	68	63	59	67	62	58	66	61	58	65	61	58	56																											
9	75	65	59	55	74	64	59	55	64	58	55	63	58	54	62	57	54	53																											
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																											

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

	0°
0°	360425
5°	347960
10°	315011
15°	275975
20°	237636
25°	202027
30°	158780
35°	110366
40°	71498
45°	42782
50°	25008
55°	14047
60°	5345
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.4	11.4
10°-20°	191.6	26.6
20°-30°	214.7	29.8
30°-40°	147.5	20.5
40°-50°	63.4	8.8
50°-60°	19.3	2.7
60°-70°	1.1	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°	488.7	67.9
0°-40°	636.2	88.4
0°-60°	718.9	99.9
0°-90°	720.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	720.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	930	
5°	895	82
15°	688	192
25°	473	215
35°	233	148
45°	78	63
55°	21	19
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	930.5
2.5°	920.6
5°	894.9
7.5°	853.4
10°	800.9
12.5°	745.6
15°	688.2
17.5°	627.9
20°	576.5
22.5°	525.1
25°	472.7
27.5°	417.3
30°	355.0
32.5°	291.7
35°	233.4
37.5°	182.9
40°	141.4
42.5°	105.8
45°	78.1
47.5°	57.4
50°	41.5
52.5°	28.7
55°	20.8
57.5°	13.8
60°	6.9
62.5°	1.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)