

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: **LSR2B05WFL559730D010 2LBDL*WMH**

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 (P14805)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B05WFL559730D010 2LBDL*WMH
Description: 500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

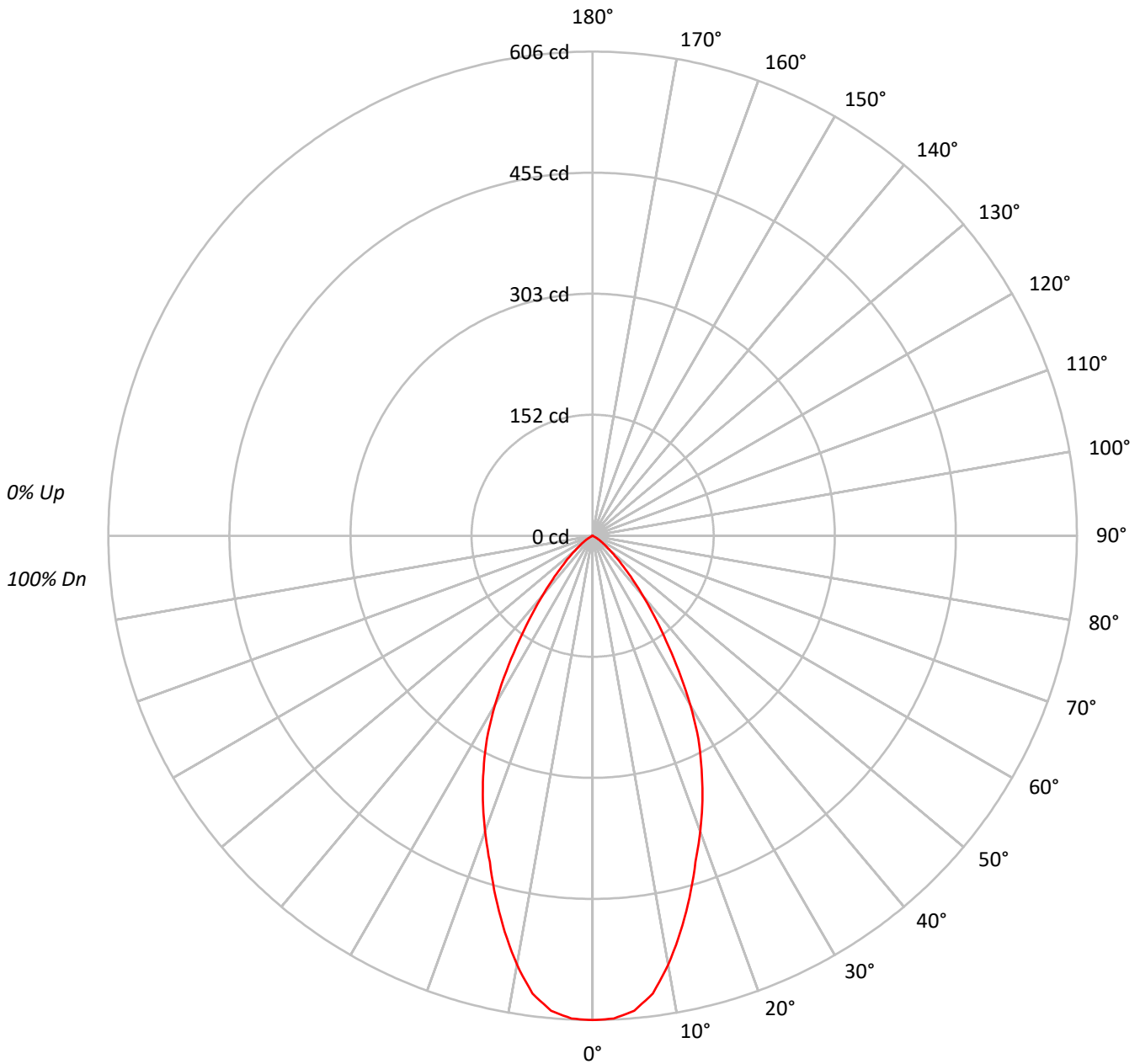
Lumens per Lamp: N/A
Luminaire Lumens: 493.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (A_{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: P#
CATALOG NUMBER: LSR2B05WFL559730D010 2LBDL*WMH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2B05WFL559730D010 2LBDL*WMH

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	86																											
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80																											
4	97	89	83	79	95	88	83	78	86	81	78	84	80	77	82	78	76	74																											
5	92	83	77	73	90	82	77	72	80	75	72	79	74	71	77	73	70	69																											
6	87	78	72	67	85	77	71	67	75	70	67	74	70	66	73	69	66	64																											
7	82	73	67	63	81	72	67	62	71	66	62	70	65	62	69	65	61	60																											
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56																											
9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	62	57	54	53																											
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	234770
5°	232012
10°	214439
15°	187953
20°	162203
25°	138047
30°	109357
35°	75894
40°	49300
45°	29690
50°	17114
55°	9590
60°	4183
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2B05WFL559730D010 2LBDL*WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.3	11.2
10°-20°	130.6	26.5
20°-30°	147.0	29.8
30°-40°	101.5	20.6
40°-50°	44.0	8.9
50°-60°	13.6	2.8
60°-70°	1.0	0.2
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°	332.9	67.5
0°-40°	434.4	88.1
0°-60°	492.0	99.8
0°-90°	493.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	493.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	606	
5°	597	55
15°	469	131
25°	323	147
35°	160	102
45°	54	44
55°	14	14
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2B05WFL559730D010 2LBDL*WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	606.1
2.5°	604.8
5°	596.7
7.5°	577.7
10°	545.2
12.5°	507.9
15°	468.7
17.5°	428.0
20°	393.5
22.5°	358.9
25°	323.0
27.5°	286.5
30°	244.5
32.5°	200.5
35°	160.5
37.5°	126.0
40°	97.5
42.5°	73.8
45°	54.2
47.5°	40.0
50°	28.4
52.5°	20.3
55°	14.2
57.5°	10.2
60°	5.4
62.5°	1.4
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



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)