

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: **LSR2B20WFL558035D010 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: LSR2B20WFL558035D010 2LBDL*WMH
Description: 2000 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: 1630.4 lumens
Efficiency: N/A
Efficacy: 78.0 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

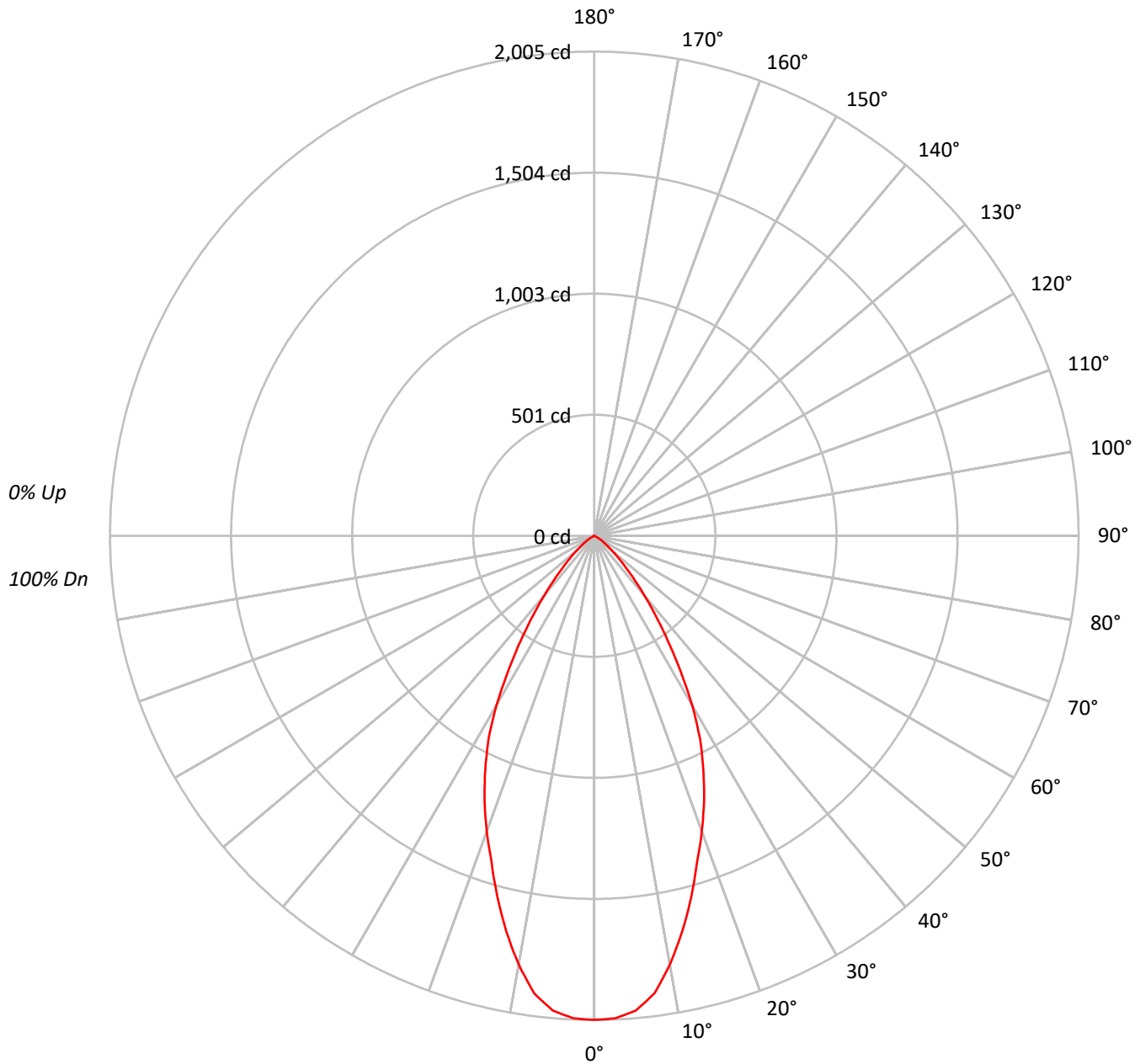
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	79	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°	776474
5°	767231
10°	709159
15°	621526
20°	536402
25°	456622
30°	361617
35°	250995
40°	163070
45°	98164
50°	56705
55°	31740
60°	13867
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.0	11.2
10°-20°	431.8	26.5
20°-30°	486.1	29.8
30°-40°	335.7	20.6
40°-50°	145.5	8.9
50°-60°	45.1	2.8
60°-70°	3.2	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°	1100.9	67.5
0°-40°	1436.6	88.1
0°-60°	1627.1	99.8
0°-90°	1630.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1630.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2005	
5°	1973	183
15°	1550	432
25°	1068	486
35°	531	336
45°	179	145
55°	47	45
65°	0	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2004.6
2.5°	2000.1
5°	1973.2
7.5°	1910.5
10°	1803.0
12.5°	1679.8
15°	1549.9
17.5°	1415.5
20°	1301.3
22.5°	1187.1
25°	1068.4
27.5°	947.4
30°	808.5
32.5°	663.0
35°	530.8
37.5°	416.6
40°	322.5
42.5°	244.1
45°	179.2
47.5°	132.1
50°	94.1
52.5°	67.2
55°	47.0
57.5°	33.6
60°	17.9
62.5°	4.5
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)