

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: **LSR2B20WFL558030D010 2LBD*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: LSR2B20WFL558030D010 2LBD*MW
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1770.8 lumens
Efficiency: N/A
Efficacy: 84.7 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

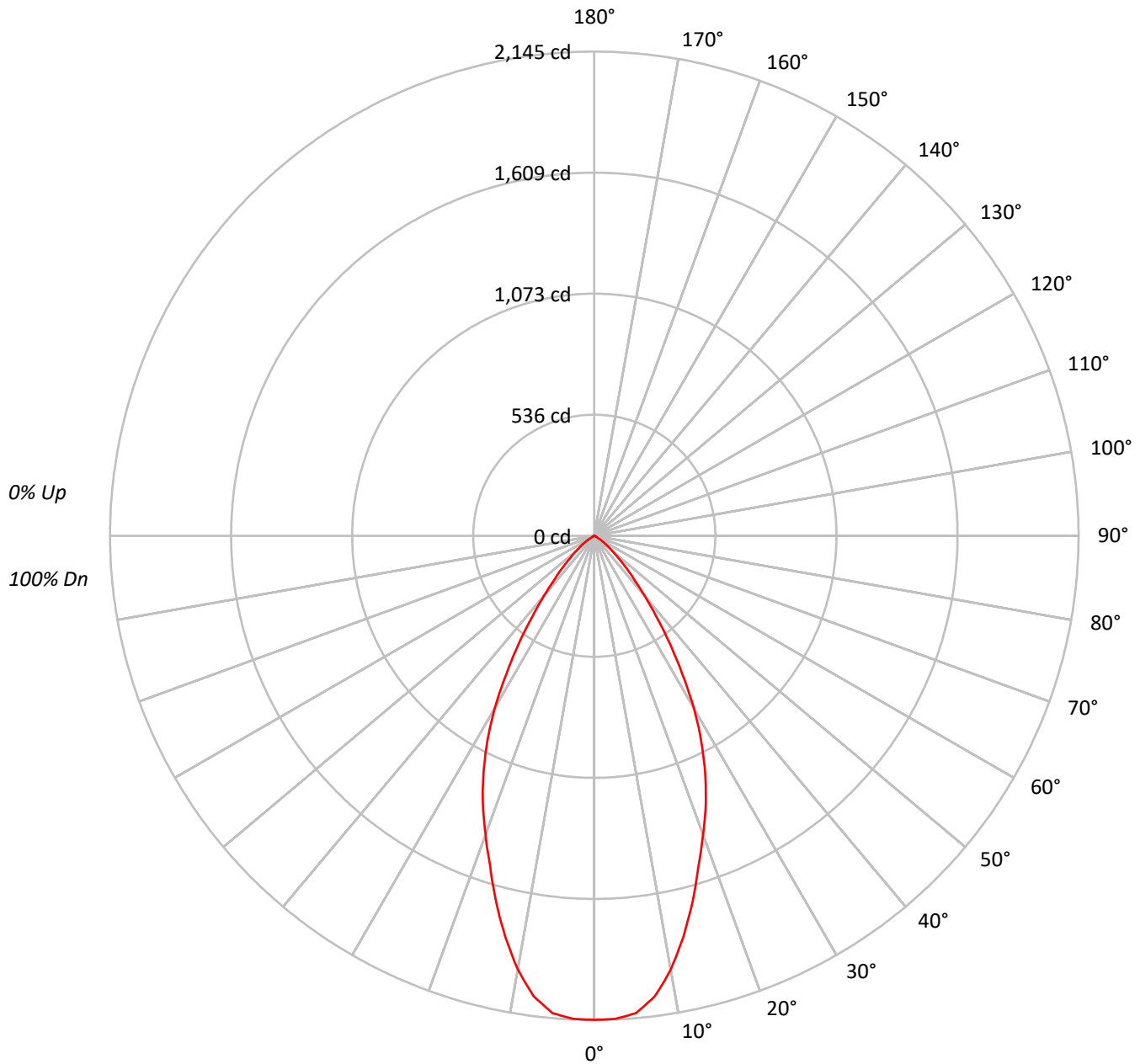
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL558030D010 2LBD*MW

Luminous Intensity Polar Plot



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL558030D010 2LBD*MW

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°	830702
5°	825399
10°	767370
15°	673657
20°	580714
25°	496583
30°	394088
35°	274686
40°	173790
45°	106052
50°	62731
55°	34306
60°	7515
65°	6691
70°	5436
75°	7184
80°	5354
85°	10666



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL558030D010 2LBD*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.0	11.1
10°-20°	467.9	26.4
20°-30°	527.9	29.8
30°-40°	365.1	20.6
40°-50°	155.6	8.8
50°-60°	45.0	2.5
60°-70°	6.6	0.4
70°-80°	4.1	0.2
80°-90°	1.6	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°	1192.7	67.4
0°-40°	1557.9	88.0
0°-60°	1758.5	99.3
0°-90°	1770.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1770.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2145	
5°	2123	197
15°	1680	468
25°	1162	528
35°	581	365
45°	194	156
55°	51	45
65°	7	7
75°	5	4
85°	2	2
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL558030D010 2LBD*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2144.6
2.5°	2142.2
5°	2122.8
7.5°	2057.5
10°	1951.0
12.5°	1820.3
15°	1679.9
17.5°	1534.6
20°	1408.8
22.5°	1290.2
25°	1161.9
27.5°	1026.3
30°	881.1
32.5°	723.7
35°	580.9
37.5°	450.2
40°	343.7
42.5°	259.0
45°	193.6
47.5°	140.4
50°	104.1
52.5°	75.0
55°	50.8
57.5°	21.8
60°	9.7
62.5°	7.3
65°	7.3
67.5°	4.8
70°	4.8
72.5°	4.8
75°	4.8
77.5°	2.4
80°	2.4
82.5°	2.4
85°	2.4
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)