

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: **LSR2B20WFL559024D010 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: LSR2B20WFL559024D010 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: 1269.5 lumens
Efficiency: N/A
Efficacy: 60.7 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

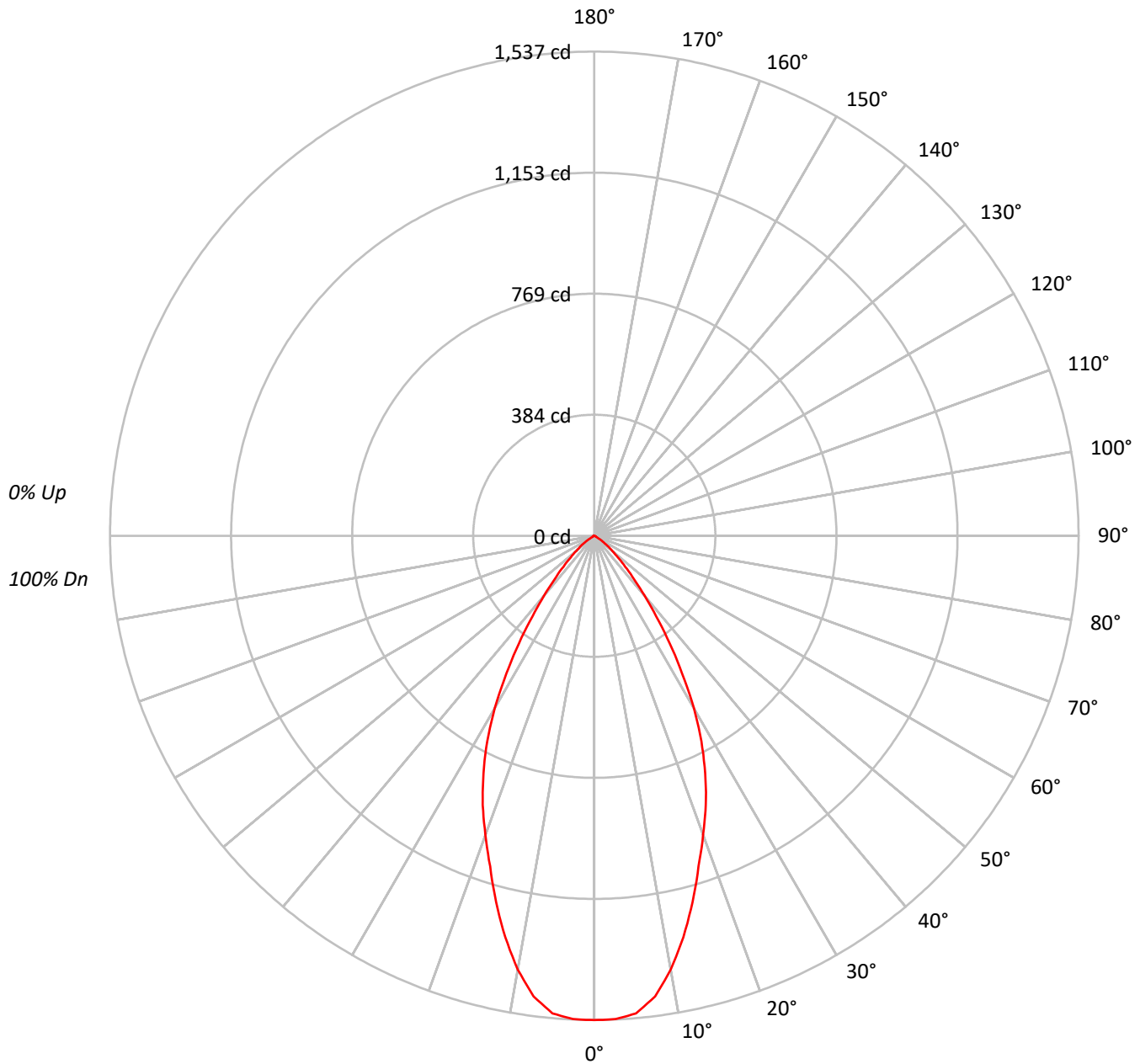
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL559024D010 2LBD*MW

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL559024D010 2LBD*MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	595506
5°	591715
10°	550099
15°	482896
20°	416286
25°	355972
30°	282495
35°	196947
40°	124591
45°	76033
50°	44954
55°	24582
60°	5345
65°	4766
70°	3964
75°	5238
80°	3792
85°	7555



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL559024D010 2LBD*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.2	11.1
10°-20°	335.4	26.4
20°-30°	378.4	29.8
30°-40°	261.8	20.6
40°-50°	111.6	8.8
50°-60°	32.3	2.5
60°-70°	4.7	0.4
70°-80°	3.0	0.2
80°-90°	1.2	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°	855.0	67.4
0°-40°	1116.8	88.0
0°-60°	1260.6	99.3
0°-90°	1269.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1269.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1537	
5°	1522	141
15°	1204	335
25°	833	378
35°	416	262
45°	139	112
55°	36	32
65°	5	5
75°	4	3
85°	2	1
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2B20WFL559024D010 2LBD*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1537.4
2.5°	1535.7
5°	1521.8
7.5°	1474.9
10°	1398.6
12.5°	1304.9
15°	1204.2
17.5°	1100.1
20°	1009.9
22.5°	924.9
25°	832.9
27.5°	735.7
30°	631.6
32.5°	518.8
35°	416.5
37.5°	322.8
40°	246.4
42.5°	185.7
45°	138.8
47.5°	100.6
50°	74.6
52.5°	53.8
55°	36.4
57.5°	15.6
60°	6.9
62.5°	5.2
65°	5.2
67.5°	3.5
70°	3.5
72.5°	3.5
75°	3.5
77.5°	1.7
80°	1.7
82.5°	1.7
85°	1.7
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)