

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: **LSR2WM2B20WFL559030D010 2LBD*B**

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 (P14809)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2WM2B20WFL559030D010 2LBD*B
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1412.4 lumens
Efficiency: N/A
Efficacy: 67.6 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

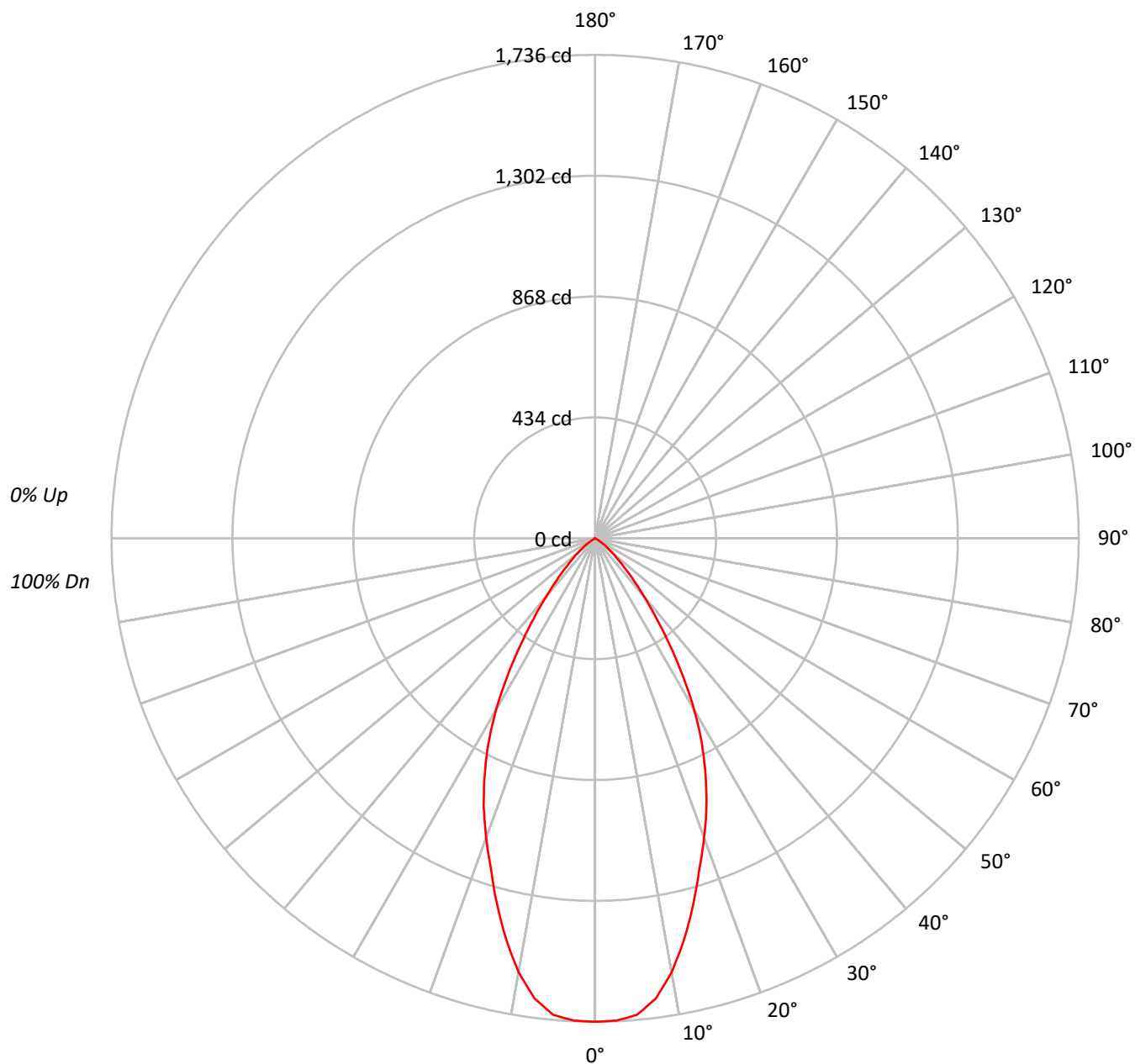
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	104	104	103	101	101	99	98	97	96	95	93						
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87						
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80						
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75						
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69						
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65						
7	83	73	67	63	81	73	67	63	71	66	63	70	66	62	69	65	62	60						
8	79	69	63	59	78	69	63	59	67	62	59	66	62	58	65	61	58	57						
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53						
10	71	62	56	52	70	61	56	52	60	55	52	60	55	52	59	55	51	50						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	672394
5°	668041
10°	622156
15°	545614
20°	471315
25°	400891
30°	317963
35°	219455
40°	137788
45°	82223
50°	47606
55°	23974
60°	1549
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.6	11.3
10°-20°	379.2	26.9
20°-30°	426.8	30.2
30°-40°	293.3	20.8
40°-50°	121.8	8.6
50°-60°	31.4	2.2
60°-70°	0.2	0.0
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°	965.6	68.4
0°-40°	1258.9	89.1
0°-60°	1412.1	100.0
0°-90°	1412.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1412.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1736	
5°	1718	160
15°	1361	379
25°	938	427
35°	464	293
45°	150	122
55°	36	31
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1735.9
2.5°	1733.9
5°	1718.1
7.5°	1666.7
10°	1581.8
12.5°	1475.2
15°	1360.6
17.5°	1244.1
20°	1143.4
22.5°	1044.7
25°	938.0
27.5°	829.4
30°	710.9
32.5°	584.5
35°	464.1
37.5°	361.4
40°	272.5
42.5°	205.4
45°	150.1
47.5°	108.6
50°	79.0
52.5°	55.3
55°	35.5
57.5°	11.8
60°	2.0
62.5°	0.0
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)