

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: **LSSQWM2B20WFL559024D010 2LBD*GPH**

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 (P14806)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B20WFL559024D010 2LBD*GPH
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH GRAPHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1233.1 lumens
Efficiency: N/A
Efficacy: 59.0 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

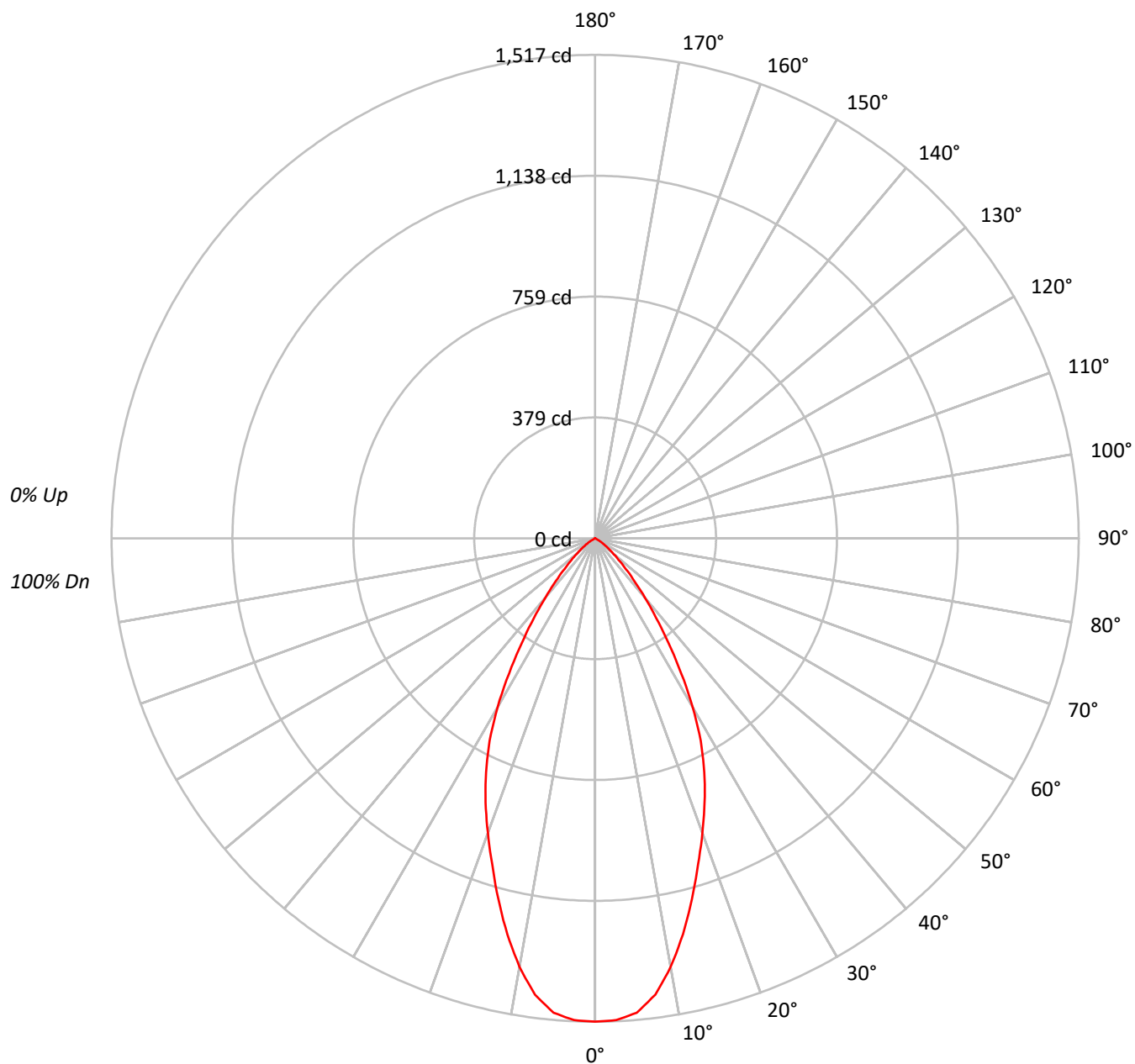
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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	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	88	84	89	86	83	87	84	82	80		
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	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	83	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	74	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°	587526
5°	581100
10°	537080
15°	470345
20°	405486
25°	346185
30°	273818
35°	189476
40°	122619
45°	74445
50°	43508
55°	24379
60°	9296
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.5	11.2
10°-20°	327.0	26.5
20°-30°	368.0	29.8
30°-40°	253.8	20.6
40°-50°	109.6	8.9
50°-60°	34.0	2.8
60°-70°	2.3	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°	833.4	67.6
0°-40°	1087.2	88.2
0°-60°	1230.8	99.8
0°-90°	1233.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1233.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1517	
5°	1494	138
15°	1173	327
25°	810	368
35°	401	254
45°	136	110
55°	36	34
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1516.8
2.5°	1513.4
5°	1494.5
7.5°	1444.6
10°	1365.5
12.5°	1272.6
15°	1172.9
17.5°	1073.1
20°	983.7
22.5°	897.7
25°	810.0
27.5°	717.1
30°	612.2
32.5°	502.2
35°	400.7
37.5°	314.7
40°	242.5
42.5°	182.3
45°	135.9
47.5°	99.7
50°	72.2
52.5°	51.6
55°	36.1
57.5°	24.1
60°	12.0
62.5°	3.4
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



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— 0°-180°







(END OF REPORT)