

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: **LSSQWM2B20WFL559040D010 2LBDL*WH**

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 (P14804)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B20WFL559040D010 2LBDL*WH
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH WHEAT HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1378.5 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.81
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

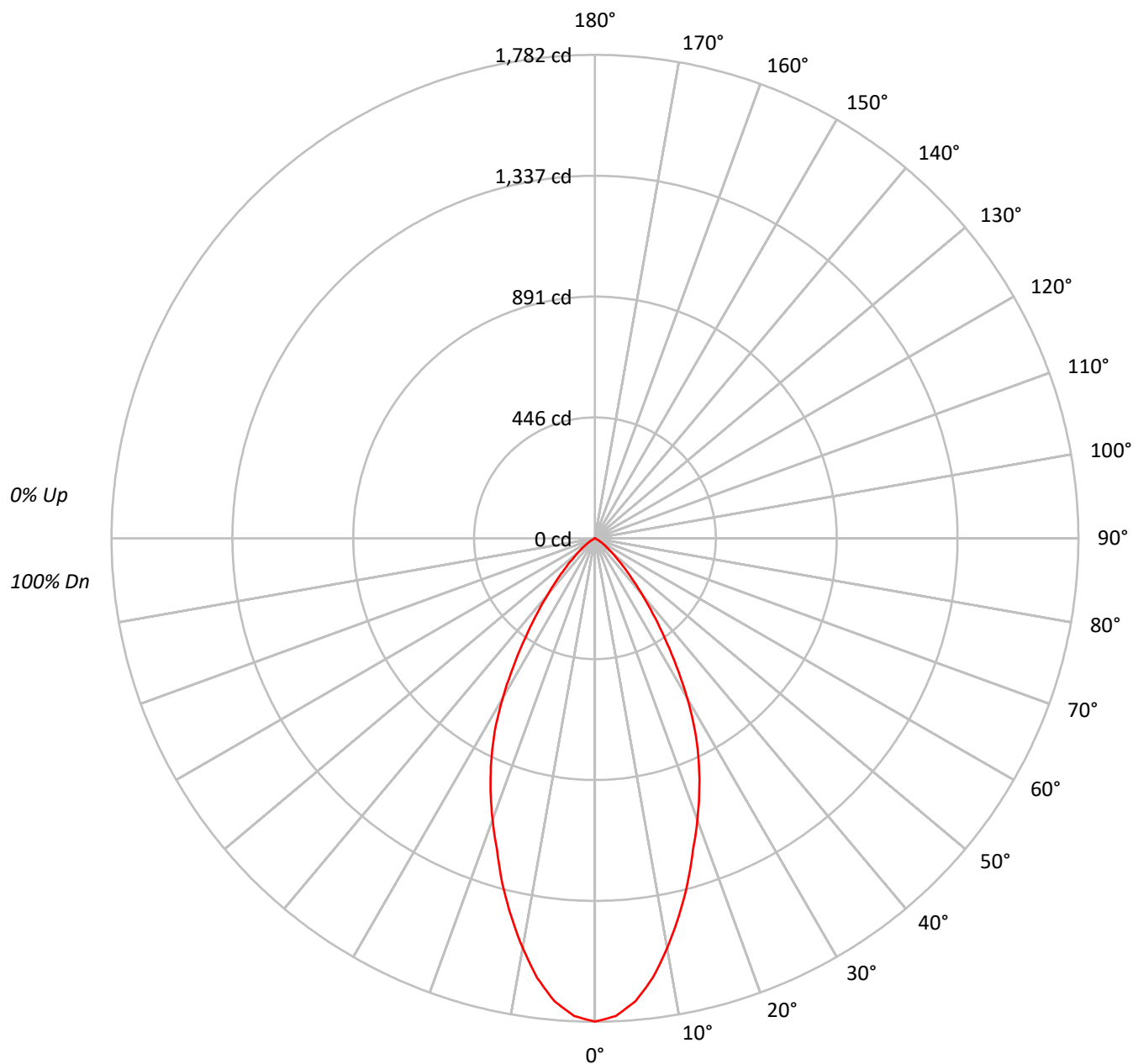
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B20WFL559040D010 2LBDL*WH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B20WFL559040D010 2LBDL*WH

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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	113	111	108	106		111	108	106	104		104	103	101			101	99	98			97
2	108	103	99	95		105	101	97	94		98	95	92			95	92	90			92
3	102	96	90	86		100	94	90	86		92	88	84			89	86	83			87
4	97	89	83	79		95	88	83	79		86	81	78			84	80	77			82
5	92	83	77	73		90	82	77	73		80	76	72			79	75	71			77
6	87	78	72	68		86	77	71	67		76	71	67			74	70	66			73
7	83	73	67	63		81	73	67	63		71	66	62			70	65	62			69
8	79	69	63	59		77	68	63	59		67	62	58			66	61	58			65
9	75	65	59	55		74	64	59	55		64	58	55			63	58	54			62
10	71	61	56	52		70	61	55	52		60	55	51			59	55	51			59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	690057
5°	666175
10°	603158
15°	528411
20°	454951
25°	386744
30°	304008
35°	211275
40°	136878
45°	81949
50°	47907
55°	26878
60°	10303
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B20WFL559040D010 2LBDL*WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.7	11.4
10°-20°	366.9	26.6
20°-30°	411.0	29.8
30°-40°	282.5	20.5
40°-50°	121.3	8.8
50°-60°	37.1	2.7
60°-70°	2.1	0.1
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°	935.6	67.9
0°-40°	1218.1	88.4
0°-60°	1376.5	99.9
0°-90°	1378.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1378.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1782	
5°	1713	158
15°	1318	367
25°	905	411
35°	447	282
45°	150	121
55°	40	37
65°	0	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B20WFL559040D010 2LBDL*WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1781.5
2.5°	1762.6
5°	1713.3
7.5°	1633.8
10°	1533.5
12.5°	1427.5
15°	1317.7
17.5°	1202.2
20°	1103.7
22.5°	1005.3
25°	904.9
27.5°	798.9
30°	679.7
32.5°	558.5
35°	446.8
37.5°	350.2
40°	270.7
42.5°	202.6
45°	149.6
47.5°	109.8
50°	79.5
52.5°	54.9
55°	39.8
57.5°	26.5
60°	13.3
62.5°	1.9
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



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)