

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: P225494

Luminaire Tested: **LSSQWM2B20FL409030D010 2LBDL*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14832)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B20FL409030D010 2LBDL*H
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1405.1 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.6
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

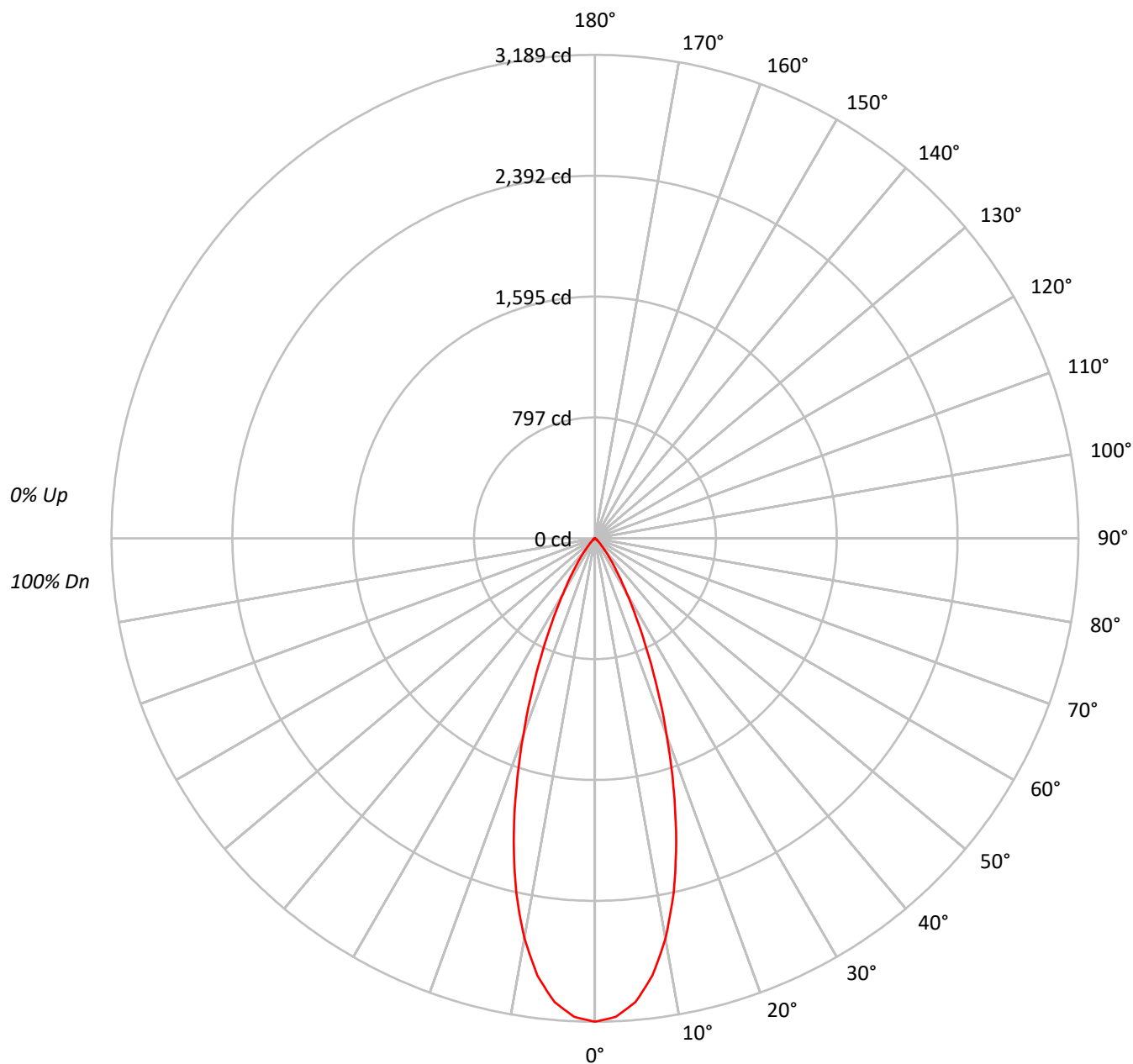
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225494

CATALOG NUMBER: LSSQWM2B20FL409030D010 2LBDL*H

Luminous Intensity Polar Plot





TEST NUMBER: P225494

CATALOG NUMBER: LSSQWM2B20FL409030D010 2LBDL*H

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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	105	102	99	108	104	101	98	101	98	96		98	96	94		95
3	105	100	96	92	103	98	95	91	96	93	90		94	91	89		91
4	101	95	90	86	99	94	89	86	91	88	85		90	86	84		88
5	97	90	85	81	96	89	84	81	87	83	80		86	82	80		84
6	93	86	81	77	92	85	80	77	84	79	76		82	79	76		81
7	90	82	77	73	88	81	76	73	80	76	73		79	75	72		78
8	86	78	73	70	85	78	73	70	77	72	69		76	72	69		75
9	83	75	70	67	82	75	70	67	74	69	66		73	69	66		72
10	80	72	67	64	79	72	67	64	71	67	64		70	66	64		70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1235130
5°	1194006
10°	1053511
15°	830011
20°	570368
25°	344433
30°	186690
35°	95944
40°	46924
45°	22240
50°	11630
55°	7834
60°	4493
65°	1741
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P225494

CATALOG NUMBER: LSSQWM2B20FL409030D010 2LBDL*H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.6	20.0
10°-20°	563.5	40.1
20°-30°	376.4	26.8
30°-40°	136.3	9.7
40°-50°	35.2	2.5
50°-60°	10.5	0.7
60°-70°	2.6	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°	1220.5	86.9
0°-40°	1356.8	96.6
0°-60°	1402.5	99.8
0°-90°	1405.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1405.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3189	
5°	3071	281
15°	2070	563
25°	806	376
35°	203	136
45°	41	35
55°	12	10
65°	2	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P225494

CATALOG NUMBER: LSSQWM2B20FL409030D010 2LBDL*H

CANDELA DISTRIBUTION (FULL):

	0°
0°	3188.7
2.5°	3159.7
5°	3070.8
7.5°	2908.5
10°	2678.5
12.5°	2396.4
15°	2069.8
17.5°	1721.9
20°	1383.7
22.5°	1072.6
25°	805.9
27.5°	587.5
30°	417.4
32.5°	293.8
35°	202.9
37.5°	141.1
40°	92.8
42.5°	59.9
45°	40.6
47.5°	29.0
50°	19.3
52.5°	15.5
55°	11.6
57.5°	7.7
60°	5.8
62.5°	3.9
65°	1.9
67.5°	1.9
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)