

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: P224722

Luminaire Tested: **LSSQWM2B10FL409027D010 2LBD*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14835)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B10FL409027D010 2LBD*MW
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 788.5 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

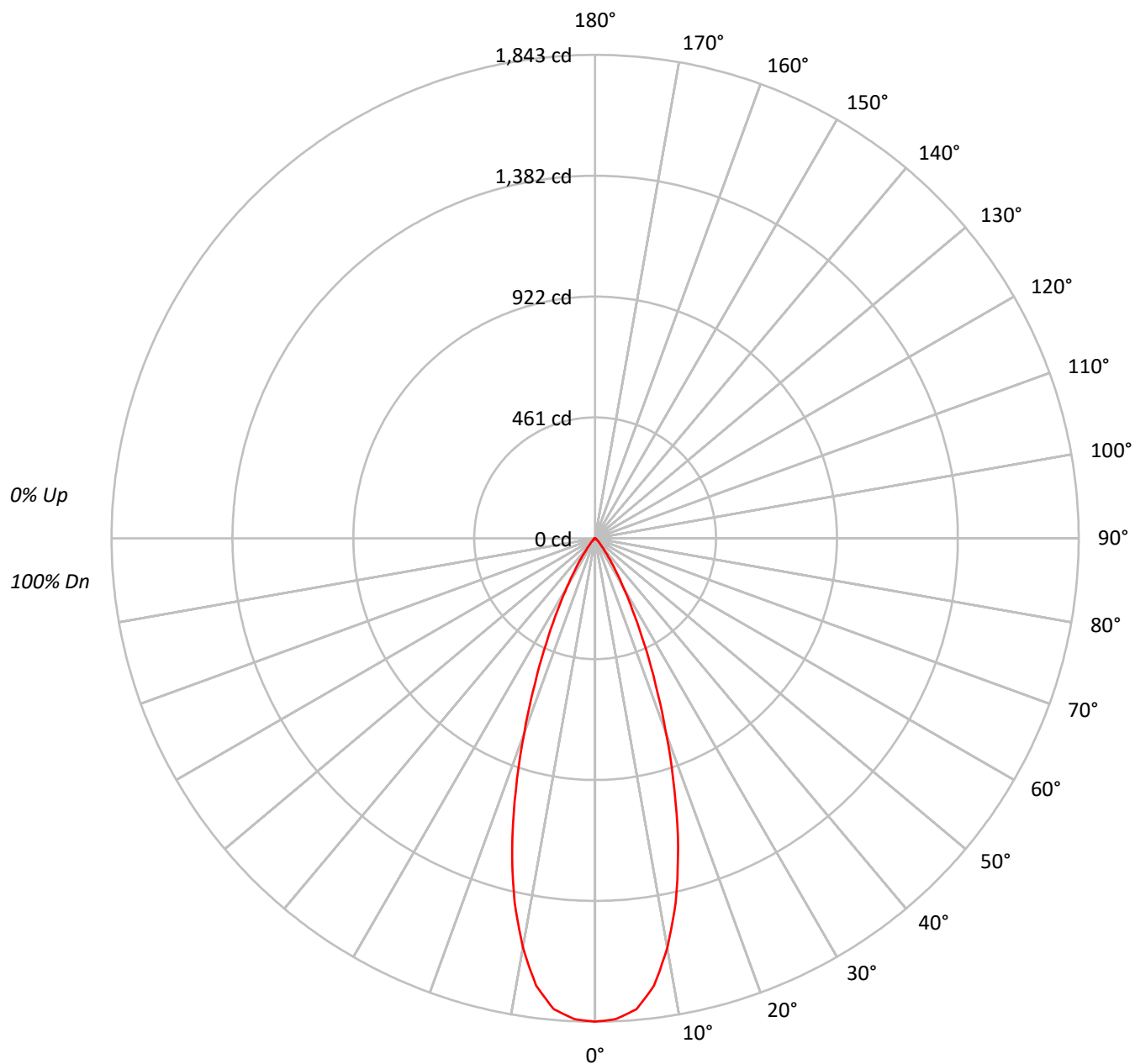
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	110	108		112	110	108	106		106	104	103		102	101	100		99	98	97
2	110	106	102	99		108	104	101	98		101	98	96		98	96	94		95	94	92
3	105	100	96	93		104	99	95	92		96	93	90		94	91	89		92	90	88
4	101	95	90	87		100	94	90	86		92	88	85		90	87	85		88	86	84
5	98	91	86	82		96	90	85	82		88	84	81		86	83	80		85	82	80
6	94	87	82	78		93	86	81	78		84	80	77		83	80	77		82	79	76
7	90	83	78	74		89	82	77	74		81	77	74		80	76	73		79	76	73
8	87	79	74	71		86	79	74	71		78	74	71		77	73	70		76	73	70
9	84	76	71	68		83	76	71	68		75	71	68		74	70	67		73	70	67
10	81	73	68	65		80	73	68	65		72	68	65		71	68	65		71	67	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	713840
5°	700819
10°	623021
15°	489994
20°	326054
25°	187196
30°	94553
35°	44496
40°	17900
45°	8874
50°	4881
55°	3444
60°	3099
65°	1833
70°	2265
75°	1497
80°	2231
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.1	20.9
10°-20°	331.0	42.0
20°-30°	205.9	26.1
30°-40°	63.3	8.0
40°-50°	13.9	1.8
50°-60°	4.9	0.6
60°-70°	2.5	0.3
70°-80°	1.4	0.2
80°-90°	0.4	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°	702.0	89.0
0°-40°	765.3	97.1
0°-60°	784.1	99.5
0°-90°	788.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	788.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1843	
5°	1802	165
15°	1222	331
25°	438	206
35°	94	63
45°	16	14
55°	5	5
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1842.9
2.5°	1834.8
5°	1802.4
7.5°	1720.5
10°	1584.0
12.5°	1420.1
15°	1221.9
17.5°	1005.4
20°	791.0
22.5°	599.8
25°	438.0
27.5°	308.5
30°	211.4
32.5°	142.6
35°	94.1
37.5°	56.6
40°	35.4
42.5°	24.3
45°	16.2
47.5°	11.1
50°	8.1
52.5°	7.1
55°	5.1
57.5°	4.0
60°	4.0
62.5°	3.0
65°	2.0
67.5°	2.0
70°	2.0
72.5°	2.0
75°	1.0
77.5°	1.0
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)