

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: **LSSQWM2B05WFL559050D010 2LBD*WMH**

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 (P14805)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B05WFL559050D010 2LBD*WMH
Description: 500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 633.0 lumens
Efficiency: N/A
Efficacy: 86.7 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

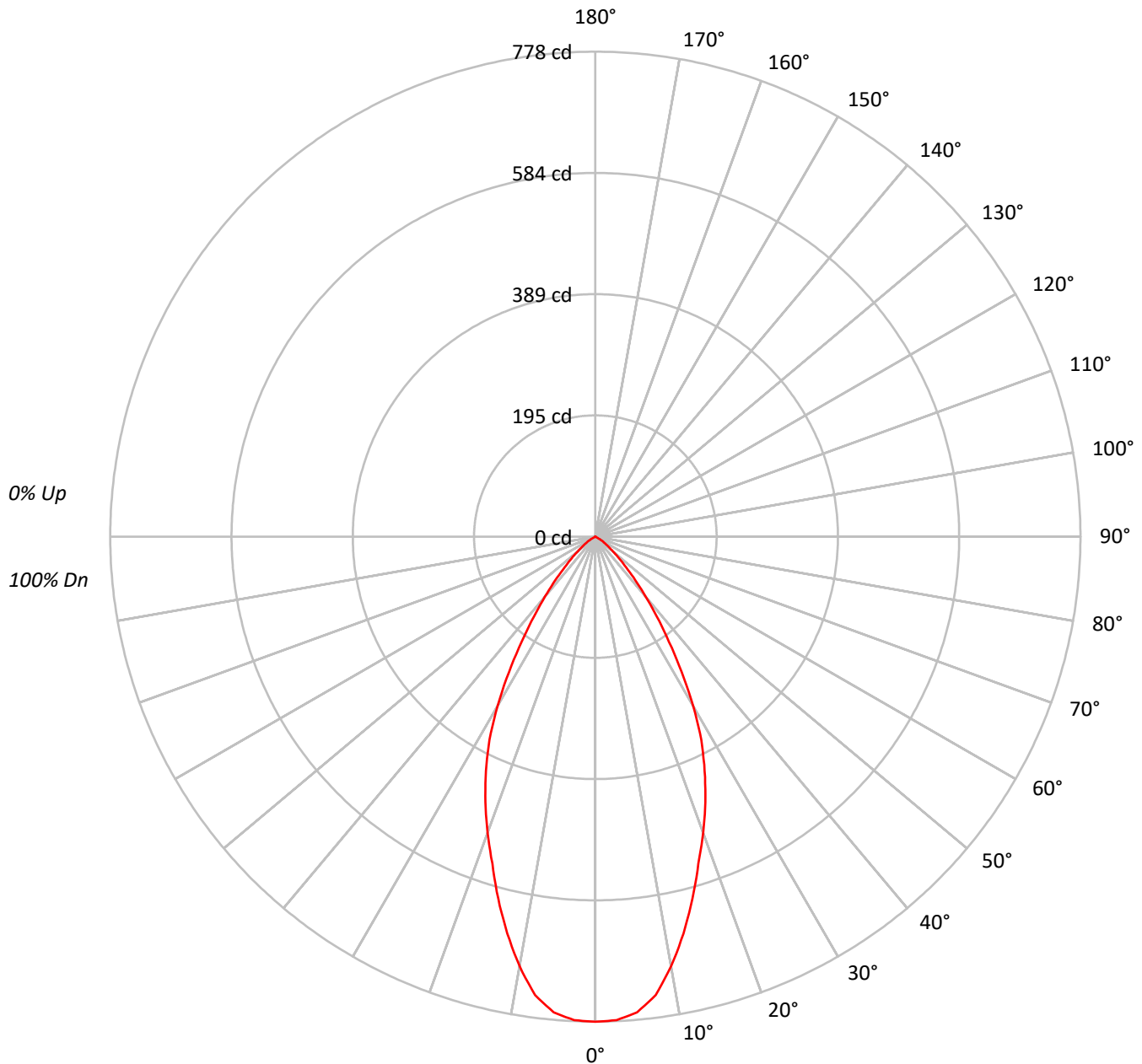
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		105	101	97	94		98	95	92		95	92	90		92	90	88
3	102	95	90	86		100	94	89	86		91	87	84		89	86	83		87	84	82
4	97	89	83	79		95	88	83	79		86	81	78		84	80	77		82	78	76
5	92	83	77	73		90	82	77	72		80	75	72		79	74	71		77	73	70
6	87	78	72	67		85	77	71	67		75	70	67		74	70	66		73	69	66
7	82	73	67	63		81	72	67	62		71	66	62		70	65	62		69	65	61
8	78	69	63	58		77	68	62	58		67	62	58		66	61	58		65	61	58
9	75	65	59	55		73	64	59	55		63	58	54		62	58	54		62	57	54
10	71	61	55	51		70	61	55	51		60	55	51		59	54	51		58	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	301471
5°	297879
10°	275325
15°	241288
20°	208246
25°	177281
30°	140398
35°	97457
40°	63307
45°	38126
50°	21995
55°	12358
60°	5423
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.0	11.2
10°-20°	167.6	26.5
20°-30°	188.7	29.8
30°-40°	130.3	20.6
40°-50°	56.5	8.9
50°-60°	17.5	2.8
60°-70°	1.3	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°	427.4	67.5
0°-40°	557.7	88.1
0°-60°	631.7	99.8
0°-90°	633.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	633.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	778	
5°	766	71
15°	602	168
25°	415	189
35°	206	130
45°	70	56
55°	18	18
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	778.3
2.5°	776.5
5°	766.1
7.5°	741.7
10°	700.0
12.5°	652.2
15°	601.7
17.5°	549.6
20°	505.2
22.5°	460.9
25°	414.8
27.5°	367.8
30°	313.9
32.5°	257.4
35°	206.1
37.5°	161.7
40°	125.2
42.5°	94.8
45°	69.6
47.5°	51.3
50°	36.5
52.5°	26.1
55°	18.3
57.5°	13.0
60°	7.0
62.5°	1.7
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)