

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: P224014

Luminaire Tested: **LSSQWM2B05SP158040D010 2LBDC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224014
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (150)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B05SP158040D010 2LBDC*MW
Description: 500 Lumen, 2inch Portfolio LED Cylinder
SPOT OPTIC
CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 472.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 0.24 / 0.24 / 0.23
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

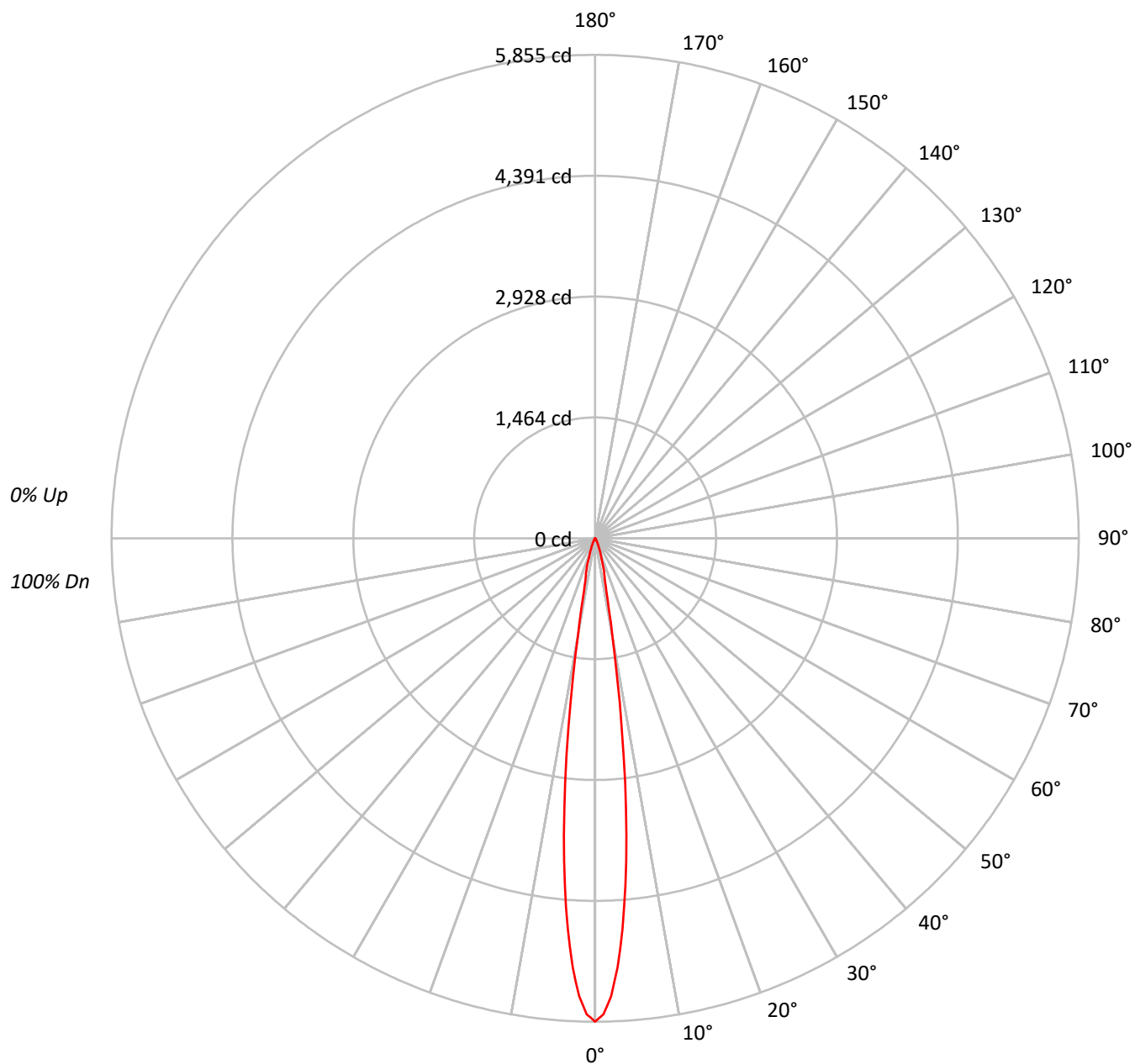
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	116	114	112	111		113	112	110	109		108	107	106			104	103	103			98
2	113	110	107	105		111	108	106	104		105	103	102			102	101	100			96
3	110	106	103	101		108	105	102	100		102	100	98			100	99	97			94
4	108	103	100	97		106	102	99	97		100	98	96			98	96	95			93
5	105	101	97	95		104	100	97	94		98	96	94			97	95	93			91
6	103	98	95	93		102	98	95	92		96	94	92			95	93	91			90
7	101	96	93	91		100	96	93	90		95	92	90			94	91	90			88
8	100	94	91	89		99	94	91	89		93	90	89			92	90	88			87
9	98	93	90	88		97	92	89	87		92	89	87			91	89	87			86
10	96	91	88	86		96	91	88	86		90	88	86			90	87	86			85

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2268066
5°	1639600
10°	477335
15°	167502
20°	71724
25°	32268
30°	12479
35°	6194
40°	4146
45°	2684
50°	1507
55°	1081
60°	620
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.4	63.2
10°-20°	121.4	25.7
20°-30°	37.3	7.9
30°-40°	9.2	1.9
40°-50°	3.8	0.8
50°-60°	1.6	0.3
60°-70°	0.3	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°	457.1	96.8
0°-40°	466.2	98.8
0°-60°	471.7	99.9
0°-90°	472.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	472.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5855	
5°	4217	298
15°	418	121
25°	76	37
35°	13	9
45°	5	4
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5855.4
1°	5765.9
2°	5547.7
3°	5199.8
4°	4745.2
5°	4216.8
6°	3621.0
7°	2974.5
8°	2318.8
9°	1705.9
10°	1213.6
11°	869.8
12°	654.0
13°	532.5
14°	466.1
15°	417.7
17.5°	257.6
20°	174.0
22.5°	116.5
25°	75.5
27.5°	46.0
30°	27.9
32.5°	18.1
35°	13.1
37.5°	10.7
40°	8.2
42.5°	6.6
45°	4.9
47.5°	3.3
50°	2.5
52.5°	2.5
55°	1.6
57.5°	1.6
60°	0.8
62.5°	0.8
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)