

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: P223750

Luminaire Tested: **LSSQWM2B05SP159040D010 2LBDDELETEC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P223750
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: LSSQWM2B05SP159040D010 2LBDDELETEC*MW
Description: 500 Lumen, 2inch Portfolio LED Cylinder
SPOT OPTIC
SQUARE CAST TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 361.0 lumens
Efficiency: N/A
Efficacy: 49.5 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

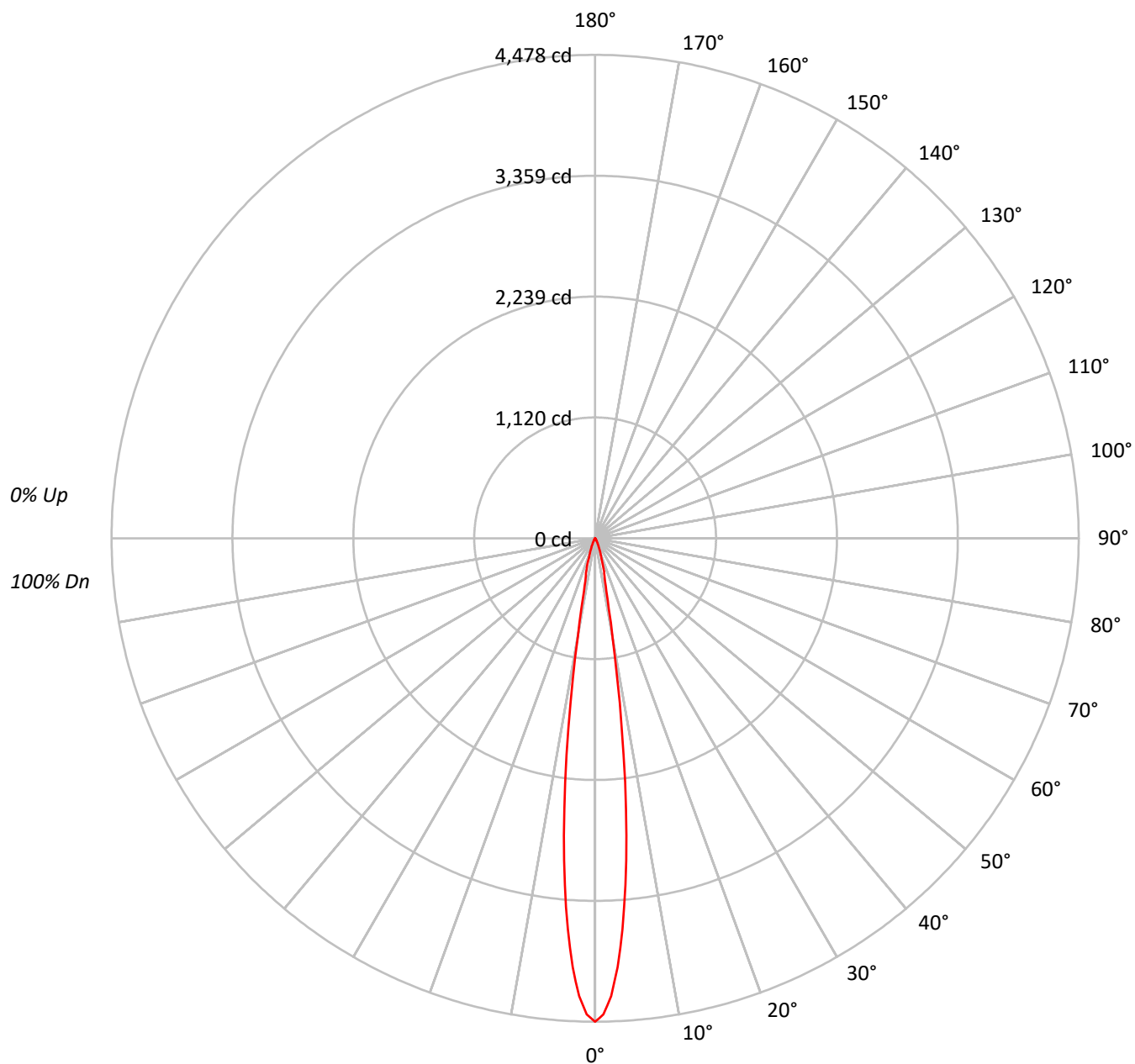
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
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	98	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°	1734690
5°	1254001
10°	365081
15°	128083
20°	54823
25°	24660
30°	9527
35°	4729
40°	3186
45°	2082
50°	1145
55°	878
60°	465
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.2	63.2
10°-20°	92.8	25.7
20°-30°	28.5	7.9
30°-40°	7.0	1.9
40°-50°	2.9	0.8
50°-60°	1.3	0.4
60°-70°	0.2	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°	349.5	96.8
0°-40°	356.6	98.8
0°-60°	360.8	99.9
0°-90°	361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	361.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4478	
5°	3225	228
15°	319	93
25°	58	28
35°	10	7
45°	4	3
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4478.4
1°	4410.0
2°	4243.0
3°	3976.9
4°	3629.3
5°	3225.1
6°	2769.5
7°	2275.0
8°	1773.5
9°	1304.7
10°	928.2
11°	665.2
12°	500.2
13°	407.3
14°	356.5
15°	319.4
17.5°	197.1
20°	133.0
22.5°	89.1
25°	57.7
27.5°	35.1
30°	21.3
32.5°	13.8
35°	10.0
37.5°	8.2
40°	6.3
42.5°	5.0
45°	3.8
47.5°	2.5
50°	1.9
52.5°	1.9
55°	1.3
57.5°	1.3
60°	0.6
62.5°	0.6
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)