

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: P223902

Luminaire Tested: **LSR2B05SP159027D010 2LBDLC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P223902
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: LSR2B05SP159027D010 2LBDLC*MW
Description: 500 Lumen, 2inch Portfolio LED Cylinder
SPOT OPTIC
LENSED CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 321.0 lumens
Efficiency: N/A
Efficacy: 44.0 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

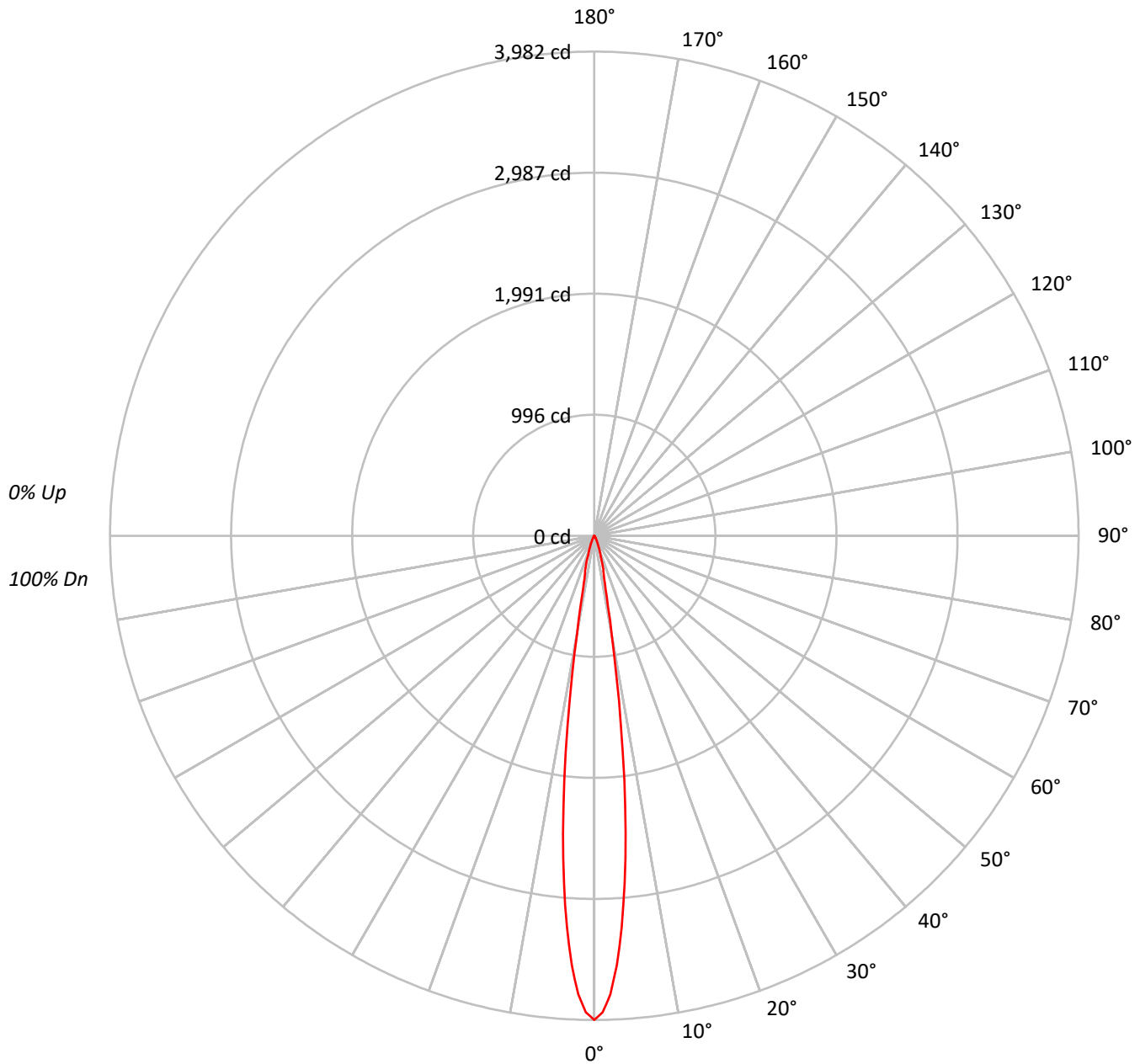
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	116	114	112	111		113	112	110	109		108	107	106		104	103	103		101	100	100
2	113	110	107	105		111	108	106	104		105	103	102		102	101	100		100	99	98
3	110	106	103	101		108	105	102	100		102	100	98		100	98	97		98	97	96
4	108	103	100	97		106	102	99	97		100	98	96		98	96	95		97	95	94
5	105	101	97	95		104	100	97	94		98	96	94		97	95	93		95	94	92
6	103	98	95	93		102	98	95	92		96	94	92		95	93	91		94	92	91
7	101	96	93	91		100	96	93	90		95	92	90		94	91	90		93	91	89
8	100	94	91	89		99	94	91	89		93	90	89		92	90	88		92	89	88
9	98	93	90	88		97	92	89	87		92	89	87		91	89	87		90	88	87
10	96	91	88	86		96	91	88	86		90	88	86		90	87	86		89	87	86

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1542489
5°	1115074
10°	324608
15°	113887
20°	48764
25°	21925
30°	8498
35°	4208
40°	2832
45°	1808
50°	1024
55°	743
60°	465
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.9	63.2
10°-20°	82.6	25.7
20°-30°	25.3	7.9
30°-40°	6.3	1.9
40°-50°	2.6	0.8
50°-60°	1.1	0.3
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°	310.8	96.8
0°-40°	317.1	98.8
0°-60°	320.8	99.9
0°-90°	321.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	321.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3982	
5°	2868	203
15°	284	83
25°	51	25
35°	9	6
45°	3	3
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3982.2
1°	3921.3
2°	3772.9
3°	3536.3
4°	3227.1
5°	2867.8
6°	2462.6
7°	2022.9
8°	1577.0
9°	1160.2
10°	825.3
11°	591.5
12°	444.8
13°	362.2
14°	317.0
15°	284.0
17.5°	175.2
20°	118.3
22.5°	79.2
25°	51.3
27.5°	31.3
30°	19.0
32.5°	12.3
35°	8.9
37.5°	7.3
40°	5.6
42.5°	4.5
45°	3.3
47.5°	2.2
50°	1.7
52.5°	1.7
55°	1.1
57.5°	1.1
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)