

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: P223941

Luminaire Tested: **LSR2B10SP159027D010 2LBD*WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P223941
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: LSR2B10SP159027D010 2LBD*WMH
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
SPOT OPTIC
SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 440.3 lumens
Efficiency: N/A
Efficacy: 42.7 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

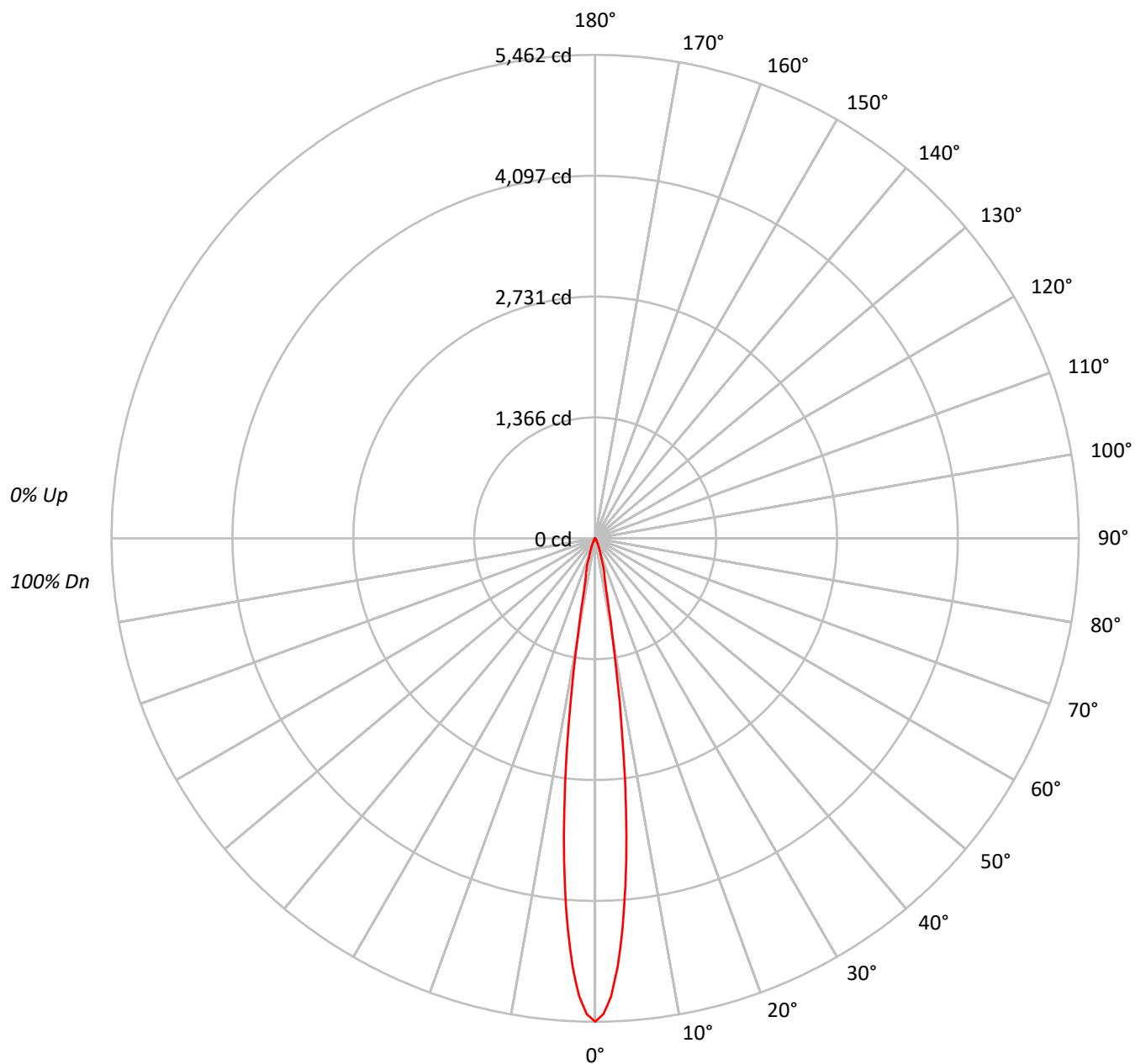
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P223941

CATALOG NUMBER: LSR2B10SP159027D010 2LBD*WMH

Luminous Intensity Polar Plot





TEST NUMBER: P223941

CATALOG NUMBER: LSR2B10SP159027D010 2LBD*WMH

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2115723
5°	1529484
10°	445279
15°	156234
20°	66901
25°	30088
30°	11629
35°	5769
40°	3893
45°	2520
50°	1386
55°	1013
60°	620
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P223941

CATALOG NUMBER: LSR2B10SP159027D010 2LBD*WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.4	63.2
10°-20°	113.2	25.7
20°-30°	34.8	7.9
30°-40°	8.6	1.9
40°-50°	3.6	0.8
50°-60°	1.5	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°	426.3	96.8
0°-40°	434.9	98.8
0°-60°	440.0	99.9
0°-90°	440.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	440.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5462	
5°	3934	278
15°	390	113
25°	70	35
35°	12	9
45°	5	4
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P223941

CATALOG NUMBER: LSR2B10SP159027D010 2LBD*WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	5462.1
1°	5378.7
2°	5175.1
3°	4850.5
4°	4426.5
5°	3933.6
6°	3377.9
7°	2774.7
8°	2163.1
9°	1591.3
10°	1132.1
11°	811.4
12°	610.0
13°	496.8
14°	434.8
15°	389.6
17.5°	240.3
20°	162.3
22.5°	108.7
25°	70.4
27.5°	42.9
30°	26.0
32.5°	16.8
35°	12.2
37.5°	10.0
40°	7.7
42.5°	6.1
45°	4.6
47.5°	3.1
50°	2.3
52.5°	2.3
55°	1.5
57.5°	1.5
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



TEST NUMBER: P223941

CATALOG NUMBER: LSR2B10SP159027D010 2LBD*WMH

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)