Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P223405

Luminaire Tested: **LSR2B20NFL258030D010 2LBDLC*MMS**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P223405
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (155)
Test Lab:	INNOVATION CENTER-P2
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LSR2B20NFL258030D010 2LBDLC*MMS
Description:	2000 Lumen, 2inch Portfolio LED Cylinder
	NARROW FLOOD OPTIC
	LENSED CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1729.8 lumens
Efficiency:	N/A
Efficacy:	82.8 lumens/watt
Spacing Criteria (0/90/45):	0.39 / 0.39 / 0.35
Luminous Opening:	Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type:	Direct

Input Watts (W):	20.9
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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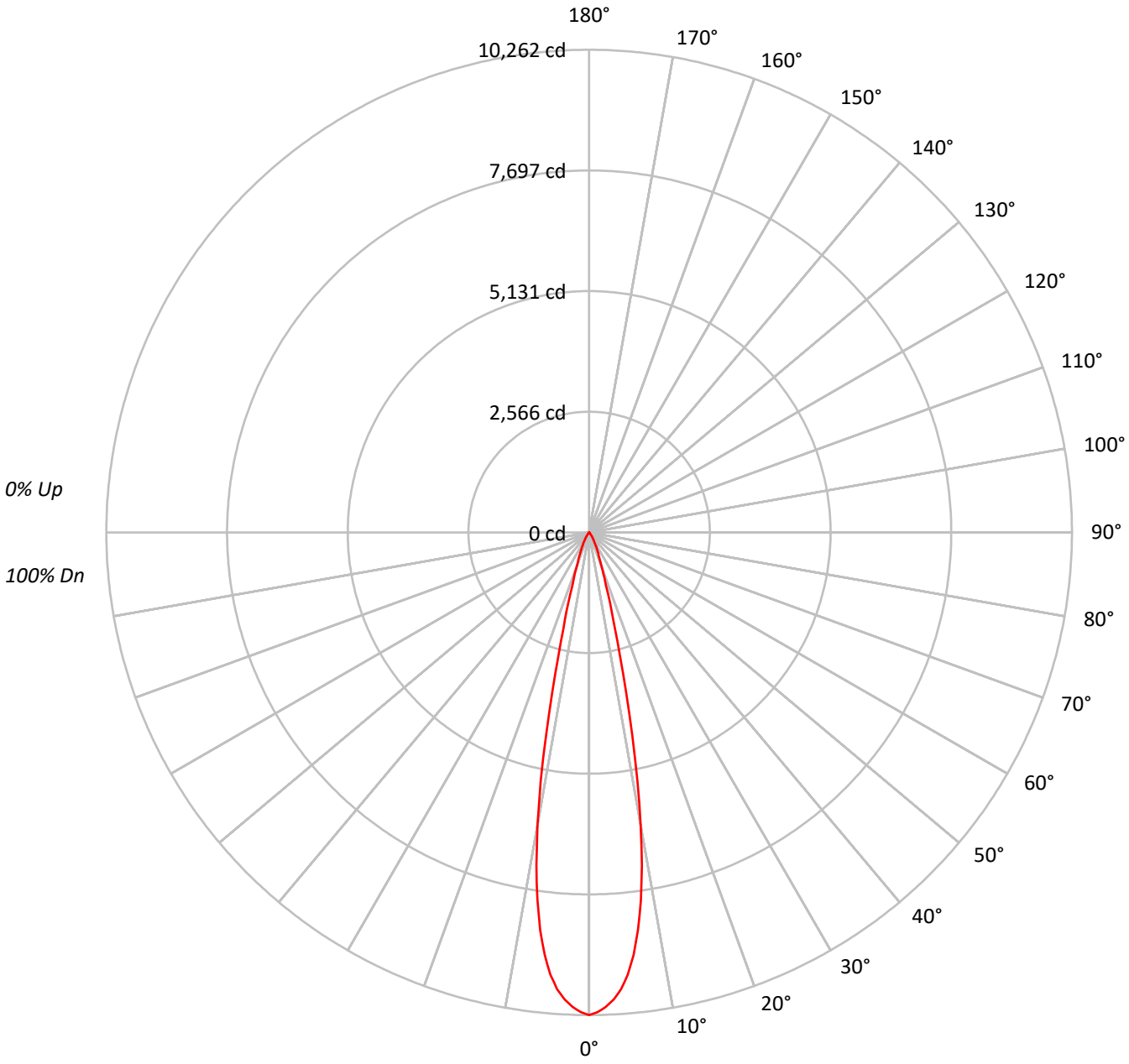
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	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	102	102	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97
2	112	109	106	104	110	107	104	102	104	102	100	101	99	98	98	97	96	95
3	109	105	101	99	107	103	100	98	101	98	96	99	97	95	96	95	93	92
4	106	101	97	95	104	100	97	94	98	95	93	96	94	92	95	93	91	90
5	103	98	94	91	102	97	94	91	95	92	90	94	91	89	93	90	89	88
6	101	95	91	89	99	94	91	88	93	90	88	92	89	87	91	88	87	86
7	98	92	89	86	97	92	88	86	91	88	85	90	87	85	89	86	85	84
8	96	90	86	84	95	90	86	84	89	86	83	88	85	83	87	85	83	82
9	94	88	84	82	93	88	84	82	87	84	82	86	83	81	85	83	81	80
10	92	86	82	80	91	86	82	80	85	82	80	84	82	80	84	81	79	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3975061
5°	3670241
10°	2484257
15°	845209
20°	310432
25°	164588
30°	84578
35°	39484
40°	12944
45°	6519
50°	3073
55°	1148
60°	1317
65°	0
70°	0
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	802.9	46.4
10°-20°	675.1	39.0
20°-30°	185.3	10.7
30°-40°	54.0	3.1
40°-50°	10.0	0.6
50°-60°	2.3	0.1
60°-70°	0.2	0.0
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°	1663.3	96.2
0°-40°	1717.3	99.3
0°-60°	1729.6	100.0
0°-90°	1729.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1729.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10262	
5°	9439	803
15°	2108	675
25°	385	185
35°	84	54
45°	12	10
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10262.3
1°	10202.6
2°	10097.0
3°	9945.3
4°	9737.5
5°	9439.3
6°	9032.1
7°	8522.6
8°	7900.7
9°	7166.4
10°	6316.1
11°	5384.1
12°	4414.7
13°	3489.5
14°	2700.6
15°	2107.7
17.5°	1189.3
20°	753.1
22.5°	536.7
25°	385.1
27.5°	272.6
30°	189.1
32.5°	132.9
35°	83.5
37.5°	34.1
40°	25.6
42.5°	18.7
45°	11.9
47.5°	6.8
50°	5.1
52.5°	3.4
55°	1.7
57.5°	1.7
60°	1.7
62.5°	0.0
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)