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: P#

Luminaire Tested: **LSRWM2B05WFL558027D010 2LBD*H**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P#
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29157)
Test Lab:	INNOVATION CENTER-P2
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LSRWM2B05WFL558027D010 2LBD*H
Description:	500 Lumen, 2inch Portfolio LED Cylinder
	WIDE FLOOD OPTIC
	SPUN ROUND TRIM WITH HAZE FINISH
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	712.0 lumens
Efficiency:	N/A
Efficacy:	97.5 lumens/watt
Spacing Criteria (0/90/45):	0.77 / 0.77 / 0.82
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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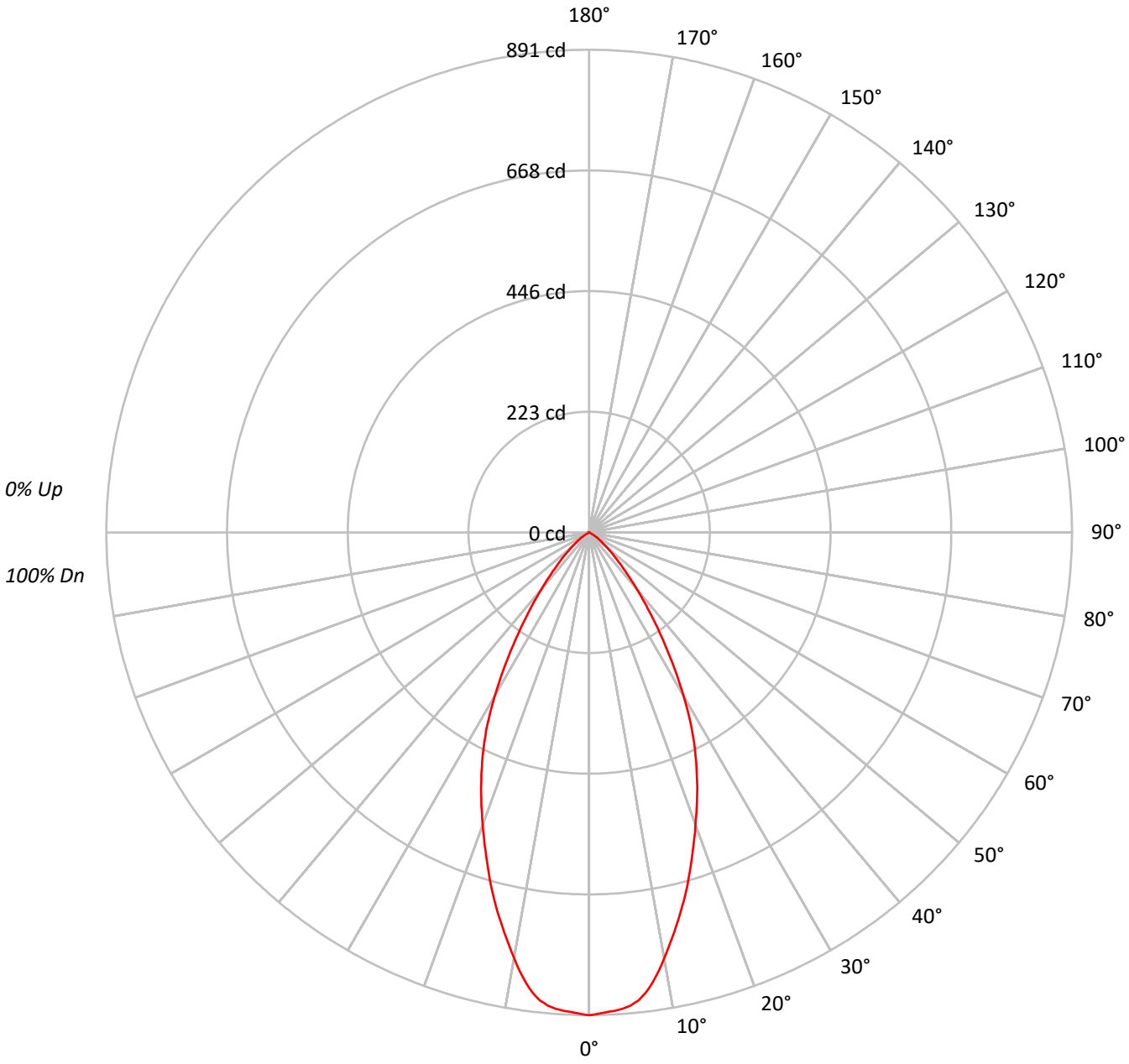
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	86	100	94	90	86	92	88	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74
5	92	83	77	73	90	82	77	73	81	76	72	79	75	71	77	74	71	69
6	87	78	72	68	86	77	71	67	76	71	67	74	70	66	73	69	66	64
7	83	73	67	63	81	73	67	63	71	66	62	70	65	62	69	65	62	60
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	56
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53
10	71	62	56	52	70	61	55	52	60	55	52	59	55	51	59	54	51	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	345280
5°	340922
10°	313949
15°	276336
20°	236647
25°	199633
30°	155873
35°	107671
40°	69172
45°	42235
50°	25008
55°	14249
60°	4493
65°	642
70°	0
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	11.4
10°-20°	191.5	26.9
20°-30°	212.3	29.8
30°-40°	144.1	20.2
40°-50°	62.2	8.7
50°-60°	19.5	2.7
60°-70°	1.2	0.2
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°	485.0	68.1
0°-40°	629.0	88.4
0°-60°	710.7	99.8
0°-90°	712.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	712.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	891	
5°	877	81
15°	689	191
25°	467	212
35°	228	144
45°	77	62
55°	21	20
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	891.4
1°	889.2
2°	886.3
3°	884.8
4°	881.9
5°	876.8
6°	868.8
7°	856.4
8°	839.7
9°	820.0
10°	798.2
11°	776.4
12°	754.6
13°	732.7
14°	710.9
15°	689.1
17.5°	630.1
20°	574.1
22.5°	521.0
25°	467.1
27.5°	411.1
30°	348.5
32.5°	285.2
35°	227.7
37.5°	178.3
40°	136.8
42.5°	103.3
45°	77.1
47.5°	56.8
50°	41.5
52.5°	29.8
55°	21.1
57.5°	13.8
60°	5.8
62.5°	1.5
65°	0.7
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)