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: P224705

Luminaire Tested: **LSRWM2B05FL408030D010 2LBD*MW**

Issue Date: 3/3/2020

Test Information

Test Method:	LM-41-14
Report Number:	P224705
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14835)
Test Lab:	INNOVATION CENTER (G1)
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LSRWM2B05FL408030D010 2LBD*MW
Description:	500 Lumen, 2inch Portfolio LED Cylinder
	FLOOD OPTIC
	SPUN ROUND TRIM WITH MATTE WHITE FINISH
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	765.1 lumens
Efficiency:	N/A
Efficacy:	104.8 lumens/watt
Spacing Criteria (0/90/45):	0.61 / 0.61 / 0.59
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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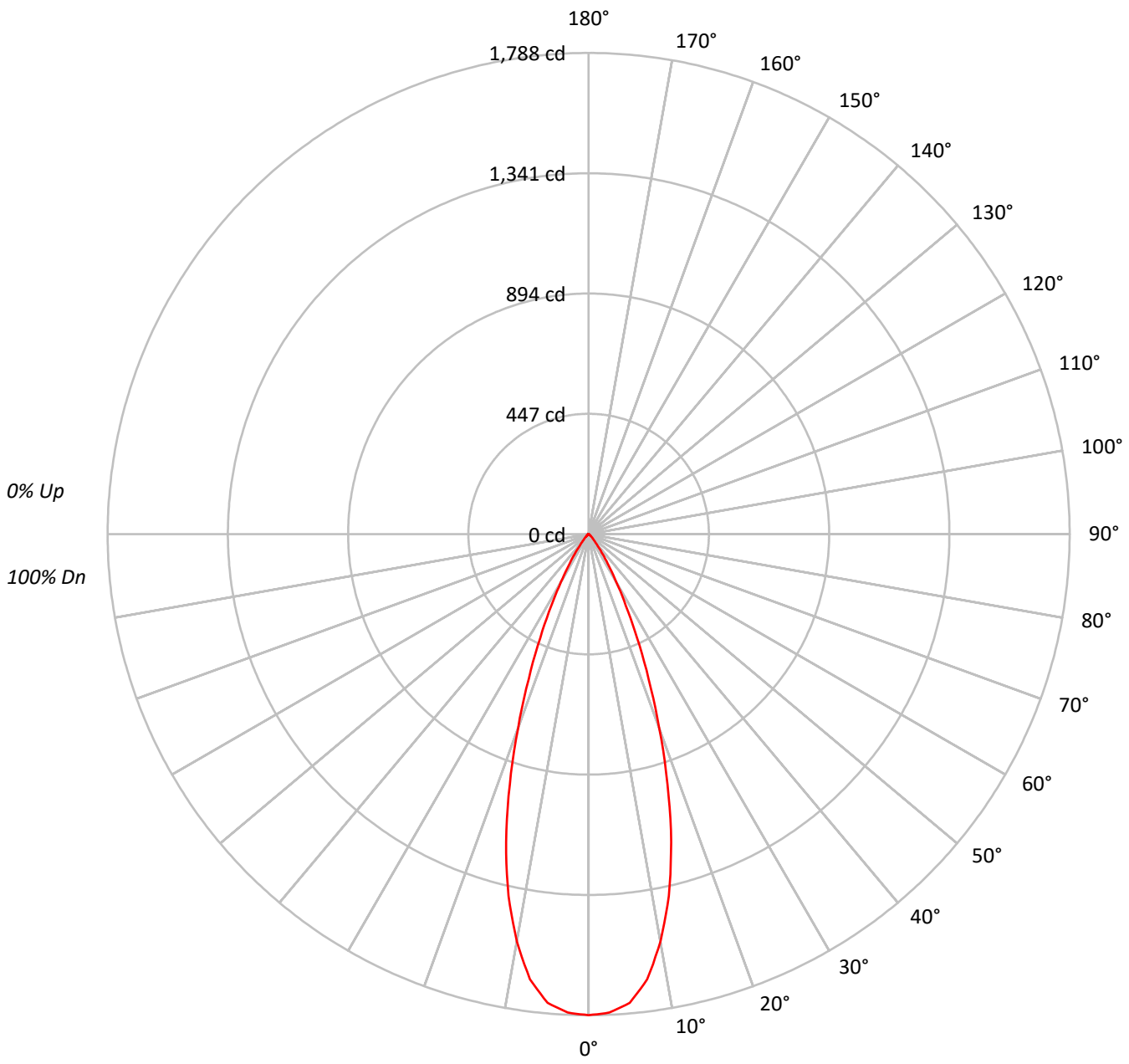
Luminous Intensity Polar Plot



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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	90	88	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	85	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	68	65	71	67	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	692575
5°	679939
10°	604456
15°	475357
20°	316326
25°	181598
30°	91735
35°	43172
40°	17344
45°	8600
50°	4761
55°	3309
60°	3021
65°	1833
70°	2265
75°	1497
80°	2231
85°	0

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Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.2	20.9
10°-20°	321.1	42.0
20°-30°	199.8	26.1
30°-40°	61.4	8.0
40°-50°	13.5	1.8
50°-60°	4.8	0.6
60°-70°	2.4	0.3
70°-80°	1.4	0.2
80°-90°	0.4	0.1
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°	681.0	89.0
0°-40°	742.5	97.0
0°-60°	760.8	99.4
0°-90°	765.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	765.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1788	
5°	1749	160
15°	1185	321
25°	425	200
35°	91	61
45°	16	14
55°	5	5
65°	2	2
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1788.0
2.5°	1780.1
5°	1748.7
7.5°	1669.2
10°	1536.8
12.5°	1377.8
15°	1185.4
17.5°	975.4
20°	767.4
22.5°	581.9
25°	424.9
27.5°	299.3
30°	205.1
32.5°	138.4
35°	91.3
37.5°	55.0
40°	34.3
42.5°	23.6
45°	15.7
47.5°	10.8
50°	7.9
52.5°	6.9
55°	4.9
57.5°	3.9
60°	3.9
62.5°	2.9
65°	2.0
67.5°	2.0
70°	2.0
72.5°	2.0
75°	1.0
77.5°	1.0
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0

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0°-180°

(END OF REPORT)