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: P224664

Luminaire Tested: **LSSQWM2B10FL409727D010 2LBDLC*MW**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P224664
	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:	LSSQWM2B10FL409727D010 2LBDLC*MW
Description:	1000 Lumen, 2inch Portfolio LED Cylinder
	FLOOD OPTIC
	LENSED CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	660.4 lumens
Efficiency:	N/A
Efficacy:	64.1 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):	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

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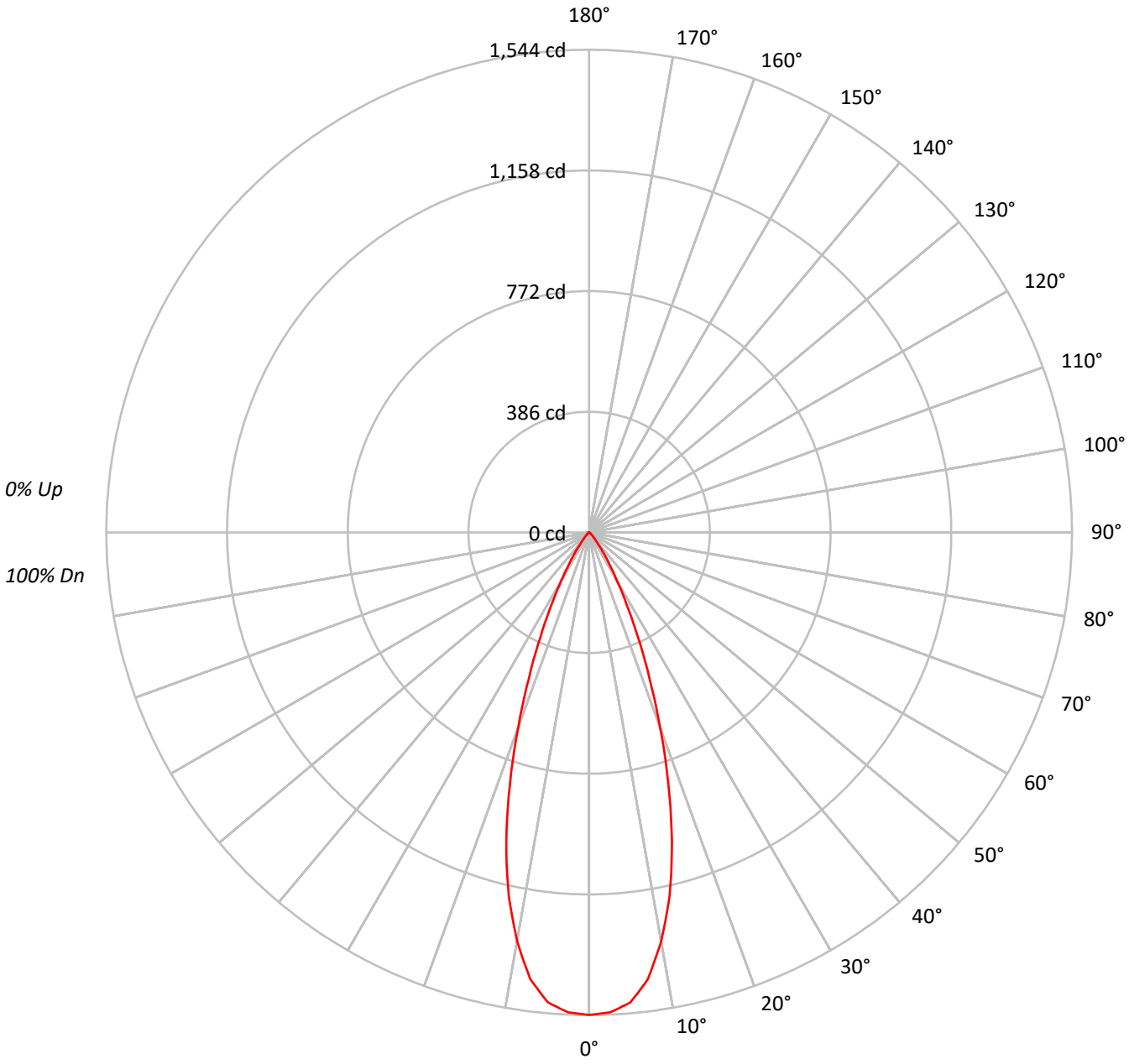
Luminous Intensity Polar Plot



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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	87	82	78	93	86	81	78	84	80	77	83	80	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°	597869
5°	586971
10°	521780
15°	410394
20°	273086
25°	156766
30°	79211
35°	37262
40°	15018
45°	7450
50°	4098
55°	2836
60°	2634
65°	1558
70°	1925
75°	1197
80°	1785
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.3	20.9
10°-20°	277.2	42.0
20°-30°	172.5	26.1
30°-40°	53.0	8.0
40°-50°	11.7	1.8
50°-60°	4.1	0.6
60°-70°	2.1	0.3
70°-80°	1.2	0.2
80°-90°	0.3	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°	587.9	89.0
0°-40°	641.0	97.1
0°-60°	656.7	99.5
0°-90°	660.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	660.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1544	
5°	1510	138
15°	1023	277
25°	367	172
35°	79	53
45°	14	12
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1543.5
2.5°	1536.7
5°	1509.6
7.5°	1441.0
10°	1326.6
12.5°	1189.4
15°	1023.4
17.5°	842.1
20°	662.5
22.5°	502.4
25°	366.8
27.5°	258.4
30°	177.1
32.5°	119.4
35°	78.8
37.5°	47.4
40°	29.7
42.5°	20.3
45°	13.6
47.5°	9.3
50°	6.8
52.5°	5.9
55°	4.2
57.5°	3.4
60°	3.4
62.5°	2.5
65°	1.7
67.5°	1.7
70°	1.7
72.5°	1.7
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0

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0°-180°

(END OF REPORT)