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: P224306

Luminaire Tested: **LD2B10D010 EU2B10FL409027 2LBDSQLC*MW**

Issue Date: 3/3/2020

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Scaled Data Report

Test Information

Test Method:	LM-41-14
Report Number:	P224306
	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:	LD2B10D010 EU2B10FL409027 2LBDSQLC*MW
Description:	1000 Lumen, 2inch Portfolio LED Downlight
	FLOOD OPTIC
	LENSED SQUARE CAST TRIM WITH MATTE WHITE FINISH
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	699.1 lumens
Efficiency:	N/A
Efficacy:	67.9 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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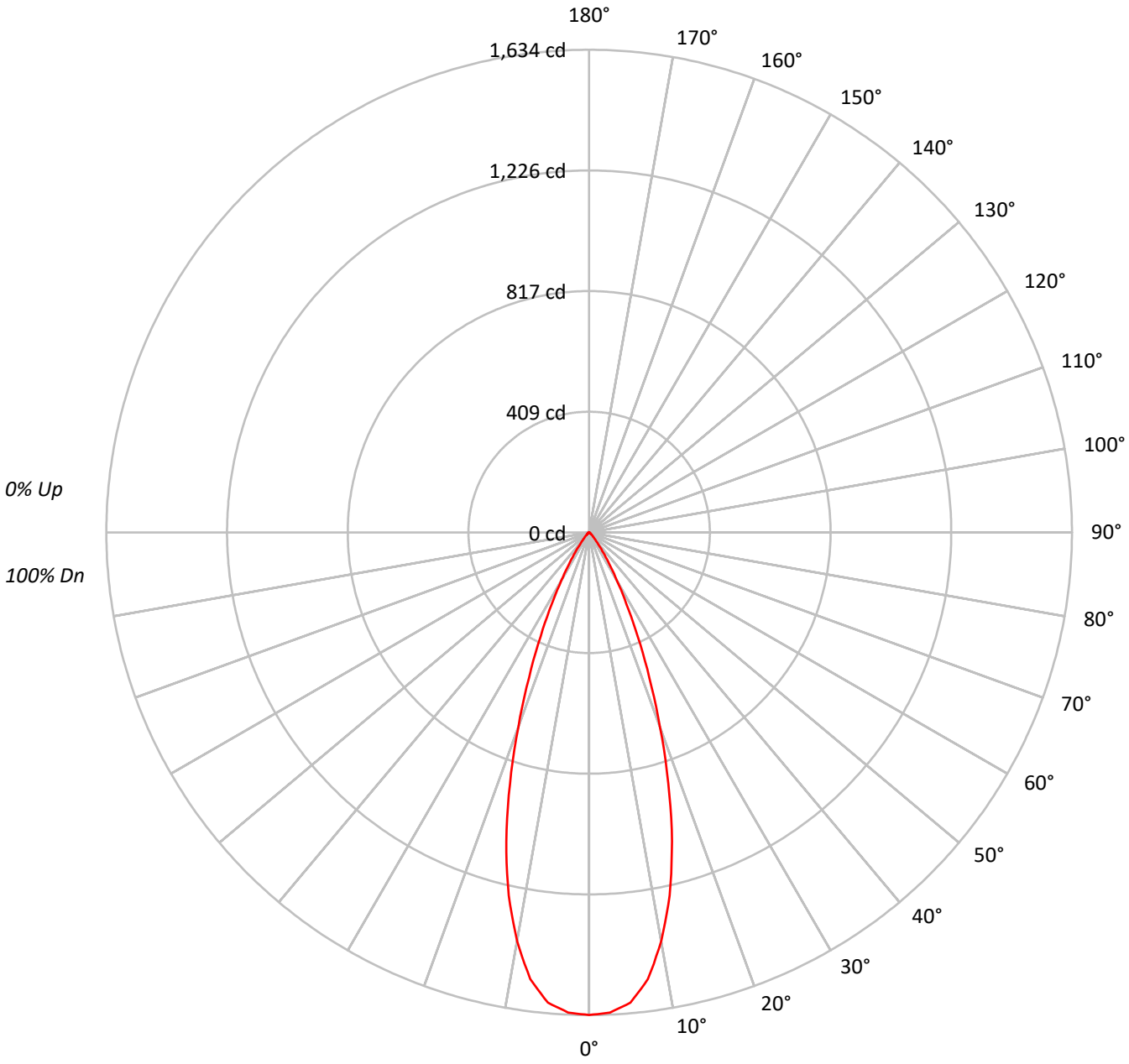
Luminous Intensity Polar Plot



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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	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°	632885
5°	621382
10°	552381
15°	434414
20°	289079
25°	165955
30°	83818
35°	39437
40°	15877
45°	7833
50°	4339
55°	3039
60°	2789
65°	1650
70°	2039
75°	1347
80°	2008
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.4	20.9
10°-20°	293.4	42.0
20°-30°	182.6	26.1
30°-40°	56.1	8.0
40°-50°	12.3	1.8
50°-60°	4.4	0.6
60°-70°	2.2	0.3
70°-80°	1.3	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°	622.4	89.0
0°-40°	678.5	97.0
0°-60°	695.2	99.4
0°-90°	699.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	699.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1634	
5°	1598	146
15°	1083	293
25°	388	183
35°	83	56
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°	1633.9
2.5°	1626.8
5°	1598.1
7.5°	1525.4
10°	1404.4
12.5°	1259.1
15°	1083.3
17.5°	891.4
20°	701.3
22.5°	531.8
25°	388.3
27.5°	273.5
30°	187.4
32.5°	126.4
35°	83.4
37.5°	50.2
40°	31.4
42.5°	21.5
45°	14.3
47.5°	9.9
50°	7.2
52.5°	6.3
55°	4.5
57.5°	3.6
60°	3.6
62.5°	2.7
65°	1.8
67.5°	1.8
70°	1.8
72.5°	1.8
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0

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0°-180°

(END OF REPORT)