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: P264165

Luminaire Tested: **LD2B20D010 EU2B2010SP158050 2LBD*B**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P264165
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-787-1)
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LD2B20D010 EU2B2010SP158050 2LBD*B
Description:	2000 Lumen, 2inch Portfolio LED Downlight
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1830.0 lumens
Efficiency:	N/A
Efficacy:	87.6 lumens/watt
Spacing Criteria (0/90/45):	0.28 / 0.28 / 0.28
Luminous Opening:	Circular (Dia: 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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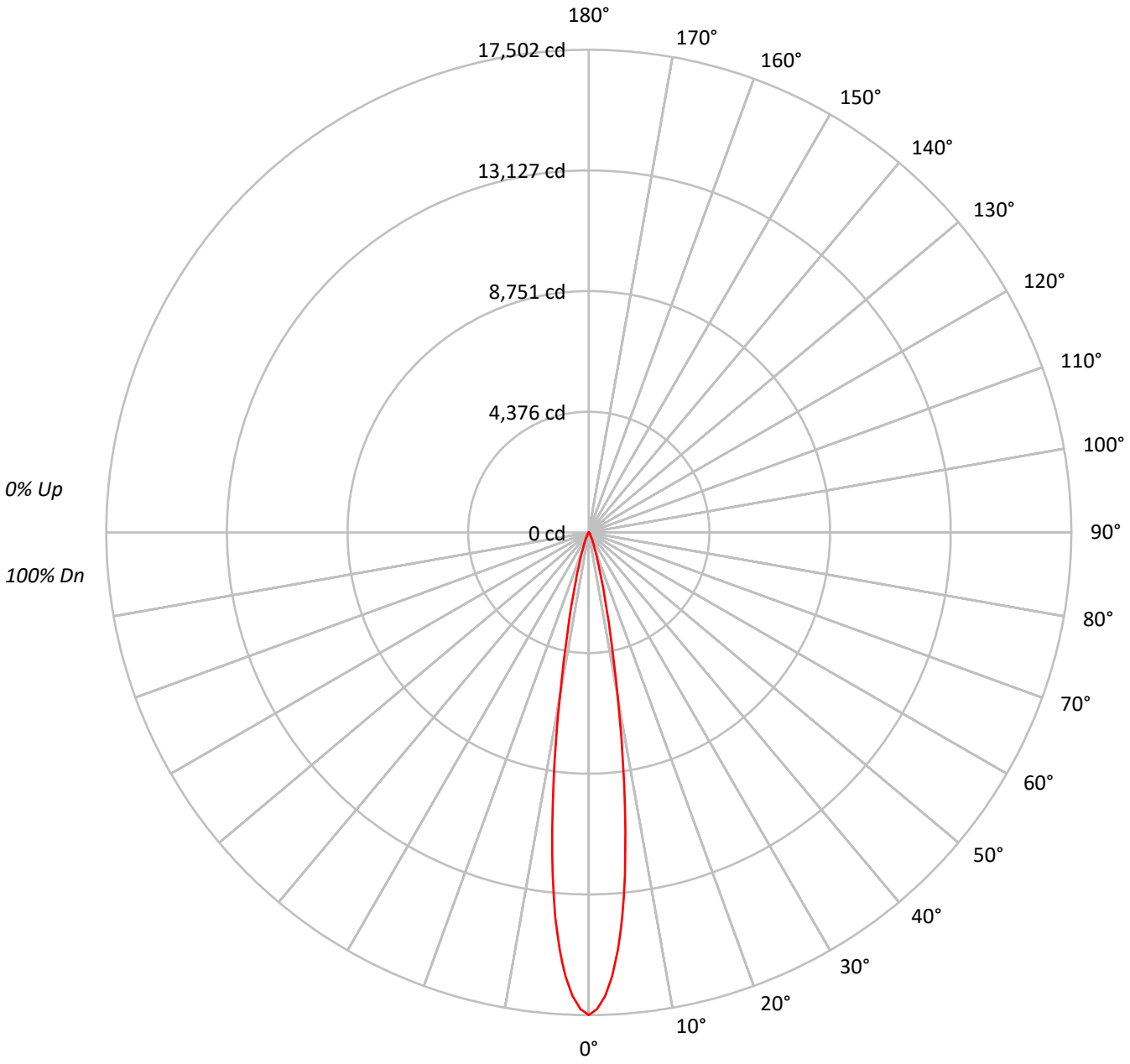
Luminous Intensity Polar Plot



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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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85
10	95	90	87	85	95	90	87	85	89	86	85	89	86	84	88	86	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	8635065
5°	6921414
10°	3020915
15°	936182
20°	326355
25°	144148
30°	65286
35°	33909
40°	19321
45°	9140
50°	5757
55°	3269
60°	1875
65°	2218
70°	0
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1061.3	58.0
10°-20°	581.2	31.8
20°-30°	132.5	7.2
30°-40°	38.1	2.1
40°-50°	11.8	0.6
50°-60°	3.5	0.2
60°-70°	1.6	0.1
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°	1775.0	97.0
0°-40°	1813.1	99.1
0°-60°	1828.4	99.9
0°-90°	1830.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1830.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17502	
5°	13976	###
15°	1833	581
25°	265	132
35°	56	38
45°	13	12
55°	4	4
65°	2	2
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	17502.5
1°	17284.6
2°	16832.1
3°	16129.7
4°	15164.4
5°	13975.7
6°	12518.4
7°	10890.2
8°	9190.7
9°	7545.6
10°	6030.1
11°	4747.5
12°	3737.1
13°	2940.9
14°	2323.0
15°	1832.9
16°	1446.0
17°	1151.2
18°	925.8
19°	753.1
20°	621.6
22.5°	401.9
25°	264.8
26°	223.5
27°	189.7
28°	159.6
29°	133.3
30°	114.6
32.5°	78.9
35°	56.3
37.5°	41.3
40°	30.0
42.5°	20.7
45°	13.1
47.5°	9.4
50°	7.5
52.5°	5.6
55°	3.8
57.5°	1.9
60°	1.9
62.5°	1.9
65°	1.9
67.5°	1.9

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CANDELA DISTRIBUTION (continued):

	0°
75°	*0.0*
77.5°	*0.0*
80°	*0.0*
82.5°	*0.0*
85°	*0.0*
87.5°	*0.0*
90°	*0.0*

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0°-180°

70°	*0.0*
72.5°	*0.0*

(END OF REPORT)