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: P203340

Luminaire Tested: **LSR6B20D010BZ EC6B10208035 6LBMWH1**

Issue Date: 3/3/2020

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-41-14
Report Number:	P203340
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab:	INNOVATION CENTER-P3
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LSR6B20D010BZ EC6B10208035 6LBMWH1
Description:	PORTFOLIO 6IN CYLINDER
	MEDIUM DISTRIBUTION WITH WHEAT TRIM
	WATTAGE D010TR-21.86 W DE010-20.46 W D5LT-21.24 W DMX-20.89 W DL2-22.5 W
	DL3-21.8 6 W DLE-22.46 W
Light Source:	HIGH LUMEN LED
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1648.7 lumens
Efficiency:	N/A
Efficacy:	79.3 lumens/watt
Spacing Criteria (0/90/45):	0.83 / 0.83 / 0.85
Luminous Opening:	Point Source (0' x 0' x 0')
CIE Type:	Direct

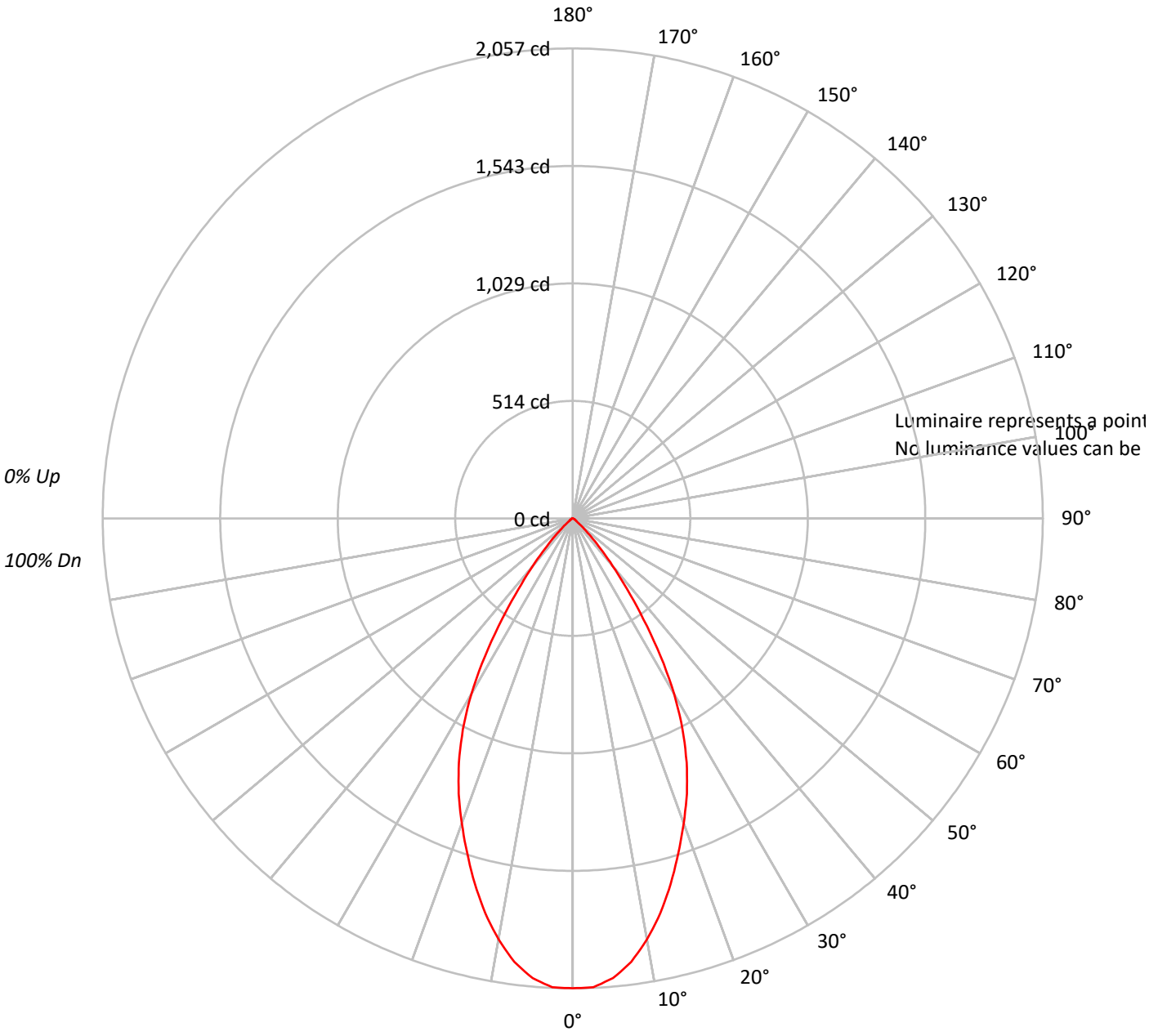
Input Watts (W):	20.8
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P203340
CATALOG NUMBER: LSR6B20D010BZ EC6B10208035 6LBMWH1

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

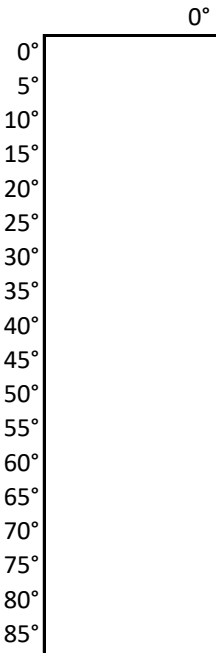
Scaled Data Report

TEST NUMBER: P203340
CATALOG NUMBER: LSR6B20D010BZ EC6B10208035 6LBMWH1

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	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71
6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62
8	80	70	64	60	78	70	64	60	69	64	60	68	63	60	67	62	59	58
9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52

AVERAGE LUMINANCE (cd/sqm):



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P203340
CATALOG NUMBER: LSR6B20D010BZ EC6B10208035 6LBMWH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.0	11.4
10°-20°	461.6	28.0
20°-30°	534.1	32.4
30°-40°	341.4	20.7
40°-50°	96.8	5.9
50°-60°	17.3	1.0
60°-70°	7.1	0.4
70°-80°	2.4	0.1
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°	1183.7	71.8
0°-40°	1525.1	92.5
0°-60°	1639.2	99.4
0°-90°	1648.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1648.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2057	
5°	2020	188
15°	1656	462
25°	1178	534
35°	539	341
45°	112	97
55°	16	17
65°	7	7
75°	2	2
85°	0	0
90°	0	

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P203340
CATALOG NUMBER: LSR6B20D010BZ EC6B10208035 6LBMWH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2056.7
2.5°	2054.4
5°	2020.0
7.5°	1958.1
10°	1871.0
12.5°	1770.1
15°	1655.5
17.5°	1536.2
20°	1419.3
22.5°	1304.7
25°	1178.5
27.5°	1041.0
30°	887.4
32.5°	715.4
35°	538.8
37.5°	389.8
40°	270.6
42.5°	178.8
45°	112.4
47.5°	66.5
50°	39.0
52.5°	22.9
55°	16.1
57.5°	13.8
60°	11.5
62.5°	9.2
65°	6.9
67.5°	4.6
70°	4.6
72.5°	2.3
75°	2.3
77.5°	2.3
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Report Generated By E9808895 / USPTCWHP6082093

0°-180°

(END OF REPORT)