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: P203785

Luminaire Tested: **LSR6B40D010BZ EC6B30509040 6LBNWH1**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P203785
	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:	LSR6B40D010BZ EC6B30509040 6LBNWH1
Description:	PORTFOLIO 6IN CYLINDER
	NARROW DISTRIBUTION WITH WHEAT TRIM
	WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57 W DL3-44.71 W DLE-39.33 W
Light Source:	HIGH LUMEN LED
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2442.1 lumens
Efficiency:	N/A
Efficacy:	58.4 lumens/watt
Spacing Criteria (0/90/45):	0.56 / 0.56 / 0.64
Luminous Opening:	Point Source (0' x 0' x 0')
CIE Type:	Direct

Input Watts (W):	41.8
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

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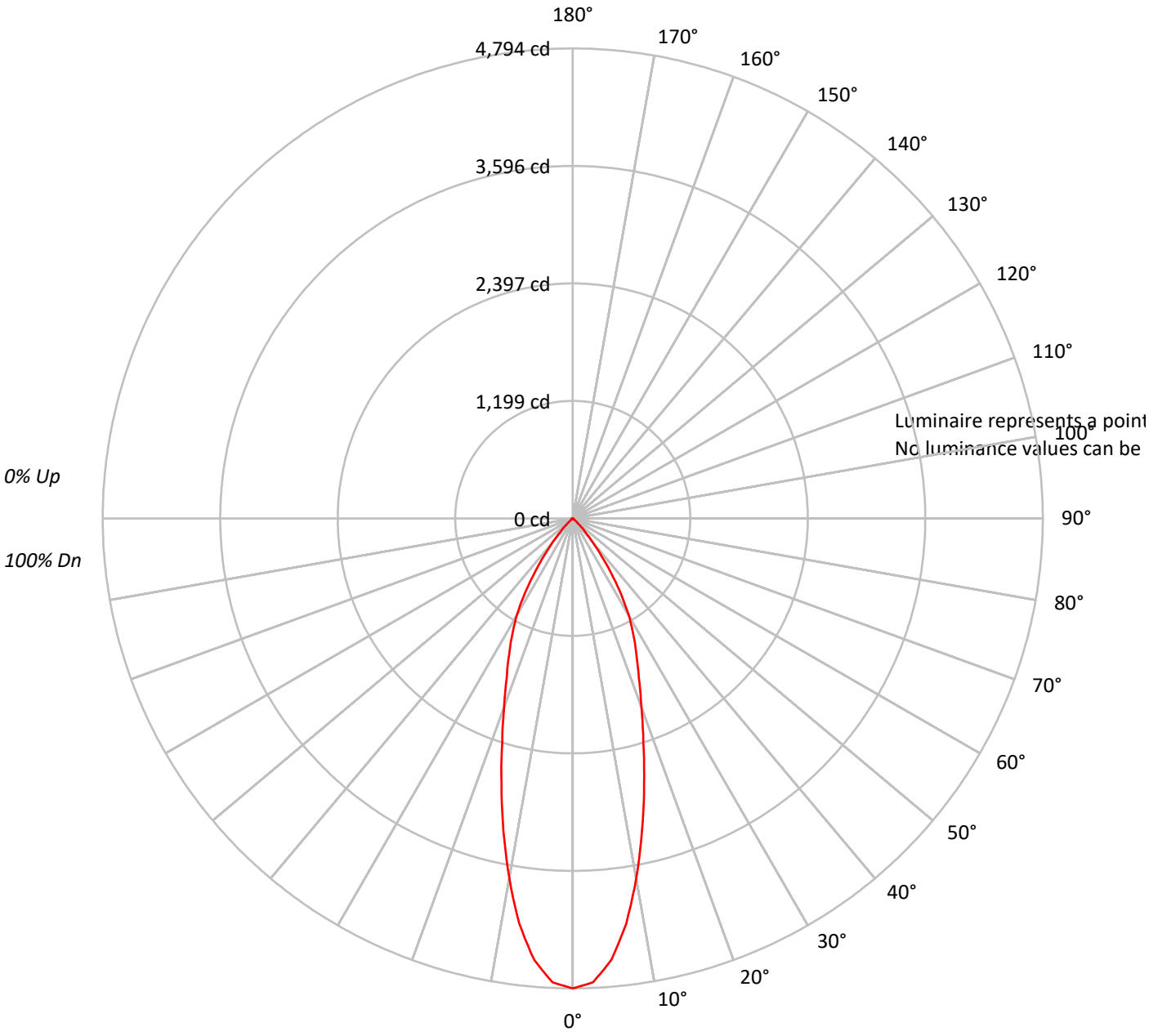
Luminous Intensity Polar Plot



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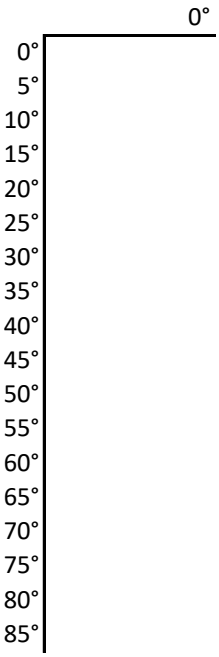
COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

AVERAGE LUMINANCE (cd/sqm):



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.9	16.6
10°-20°	779.9	31.9
20°-30°	709.0	29.0
30°-40°	429.8	17.6
40°-50°	97.9	4.0
50°-60°	12.5	0.5
60°-70°	5.7	0.2
70°-80°	1.6	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°	1894.7	77.6
0°-40°	2324.5	95.2
0°-60°	2434.8	99.7
0°-90°	2442.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2442.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4794	
5°	4520	406
15°	2809	780
25°	1537	709
35°	681	430
45°	108	98
55°	12	13
65°	4	6
75°	0	2
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	4794.5
2.5°	4736.4
5°	4520.3
7.5°	4171.3
10°	3726.8
12.5°	3265.6
15°	2808.6
17.5°	2393.1
20°	2044.1
22.5°	1761.6
25°	1537.2
27.5°	1337.8
30°	1142.5
32.5°	914.0
35°	681.4
37.5°	477.8
40°	315.8
42.5°	195.3
45°	108.0
47.5°	49.9
50°	20.8
52.5°	16.6
55°	12.5
57.5°	12.5
60°	8.3
62.5°	8.3
65°	4.2
67.5°	4.2
70°	4.2
72.5°	4.2
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°

(END OF REPORT)