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: P#

Luminaire Tested: **LSSQ2B05WFL558040D010 2LBD*H**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P#
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29157)
Test Lab:	INNOVATION CENTER-P2
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LSSQ2B05WFL558040D010 2LBD*H
Description:	500 Lumen, 2inch Portfolio LED Cylinder
	WIDE FLOOD OPTIC
	SPUN ROUND TRIM WITH HAZE FINISH
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	764.0 lumens
Efficiency:	N/A
Efficacy:	104.7 lumens/watt
Spacing Criteria (0/90/45):	0.77 / 0.77 / 0.82
Luminous Opening:	Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type:	Direct

Input Watts (W):	7.3
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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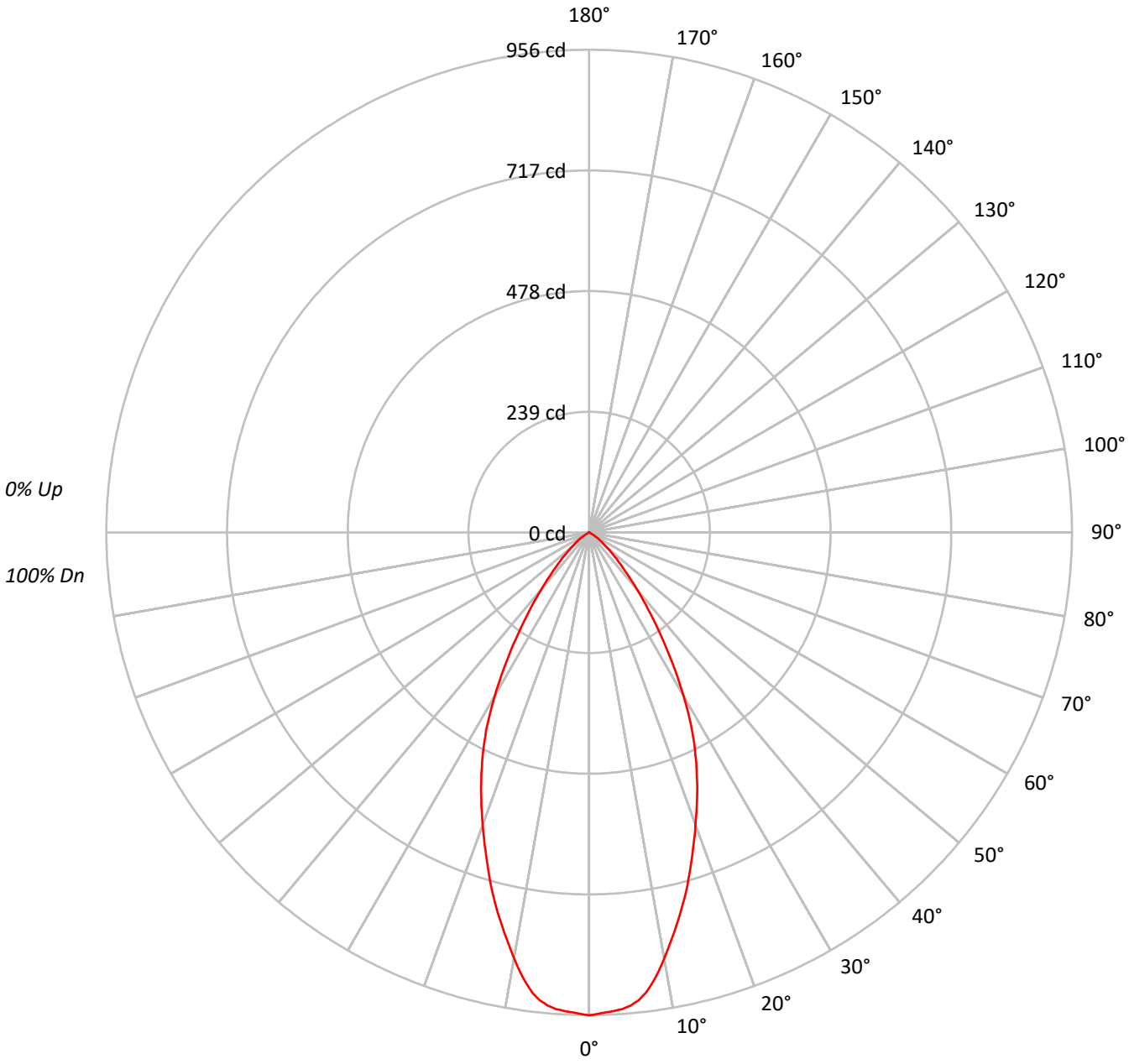
Luminous Intensity Polar Plot



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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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	86	100	94	90	86	92	88	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74
5	92	83	77	73	90	82	77	73	81	76	72	79	75	71	77	74	71	69
6	87	78	72	68	86	77	71	67	76	71	67	74	70	66	73	69	66	64
7	83	73	67	63	81	73	67	63	71	66	62	70	65	62	69	65	62	60
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	56
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53
10	71	62	56	52	70	61	55	52	60	55	52	59	55	51	59	54	51	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	370496
5°	365807
10°	336880
15°	296507
20°	253918
25°	214250
30°	167278
35°	115568
40°	74229
45°	45357
50°	26816
55°	15262
60°	4803
65°	733
70°	0
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.2	11.4
10°-20°	205.5	26.9
20°-30°	227.8	29.8
30°-40°	154.6	20.2
40°-50°	66.7	8.7
50°-60°	20.9	2.7
60°-70°	1.3	0.2
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°	520.4	68.1
0°-40°	675.0	88.3
0°-60°	762.7	99.8
0°-90°	764.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	764.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	956	
5°	941	87
15°	739	205
25°	501	228
35°	244	155
45°	83	67
55°	23	21
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	956.5
1°	954.1
2°	951.0
3°	949.4
4°	946.3
5°	940.8
6°	932.2
7°	919.0
8°	901.0
9°	879.9
10°	856.5
11°	833.1
12°	809.7
13°	786.2
14°	762.8
15°	739.4
17.5°	676.2
20°	616.0
22.5°	559.0
25°	501.3
27.5°	441.1
30°	374.0
32.5°	306.1
35°	244.4
37.5°	191.3
40°	146.8
42.5°	110.9
45°	82.8
47.5°	60.9
50°	44.5
52.5°	32.0
55°	22.6
57.5°	14.8
60°	6.2
62.5°	1.6
65°	0.8
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0

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CANDELA DISTRIBUTION (continued):

	0°
90°	*0.0*

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0°-180°

85°	*0.0*
87.5°	*0.0*

(END OF REPORT)