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: P224492

Luminaire Tested: **LSSQWM2B05FL409030D010 2LBDL*WMH**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P224492
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14831)
Test Lab:	INNOVATION CENTER (G1)
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LSSQWM2B05FL409030D010 2LBDL*WMH
Description:	500 Lumen, 2inch Portfolio LED Cylinder
	FLOOD OPTIC
	LENSED SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	594.3 lumens
Efficiency:	N/A
Efficacy:	81.4 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):	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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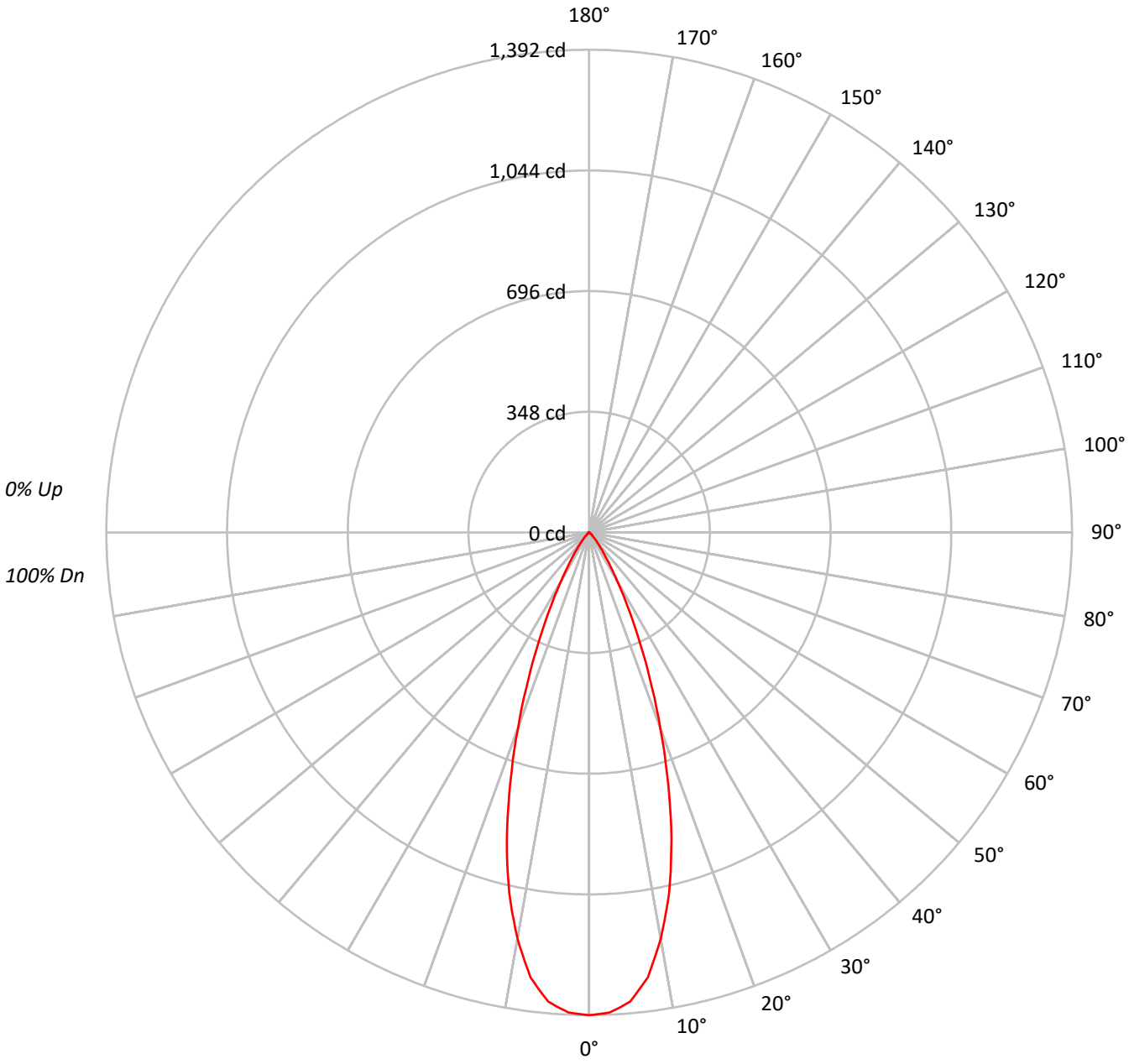
Luminous Intensity Polar Plot



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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	83
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	77	83	80	77	82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	71	76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66
10	81	73	69	65	80	73	68	65	72	68	65	72	68	65	71	67	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	539341
5°	528220
10°	467934
15°	367726
20°	247241
25°	143603
30°	71787
35°	33857
40°	15978
45°	7012
50°	3616
55°	2026
60°	1162
65°	0
70°	0
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.3	20.9
10°-20°	248.7	41.8
20°-30°	157.2	26.5
30°-40°	49.2	8.3
40°-50°	11.4	1.9
50°-60°	3.0	0.5
60°-70°	0.5	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°	530.2	89.2
0°-40°	579.4	97.5
0°-60°	593.8	99.9
0°-90°	594.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	594.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1392	
5°	1358	124
15°	917	249
25°	336	157
35°	72	49
45°	13	11
55°	3	3
65°	0	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1392.4
2.5°	1385.6
5°	1358.5
7.5°	1294.5
10°	1189.7
12.5°	1065.4
15°	917.0
17.5°	755.0
20°	599.8
22.5°	456.6
25°	336.0
27.5°	237.3
30°	160.5
32.5°	107.0
35°	71.6
37.5°	48.2
40°	31.6
42.5°	19.6
45°	12.8
47.5°	9.0
50°	6.0
52.5°	4.5
55°	3.0
57.5°	2.3
60°	1.5
62.5°	1.5
65°	0.0
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
85°	0.0
87.5°	0.0
90°	0.0

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0°-180°

(END OF REPORT)