

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: P225065

Luminaire Tested: **LSSQWM2B05FL409727D010 2LBD*WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225065
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14829)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B05FL409727D010 2LBD*WH
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH WHEAT HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 543.0 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

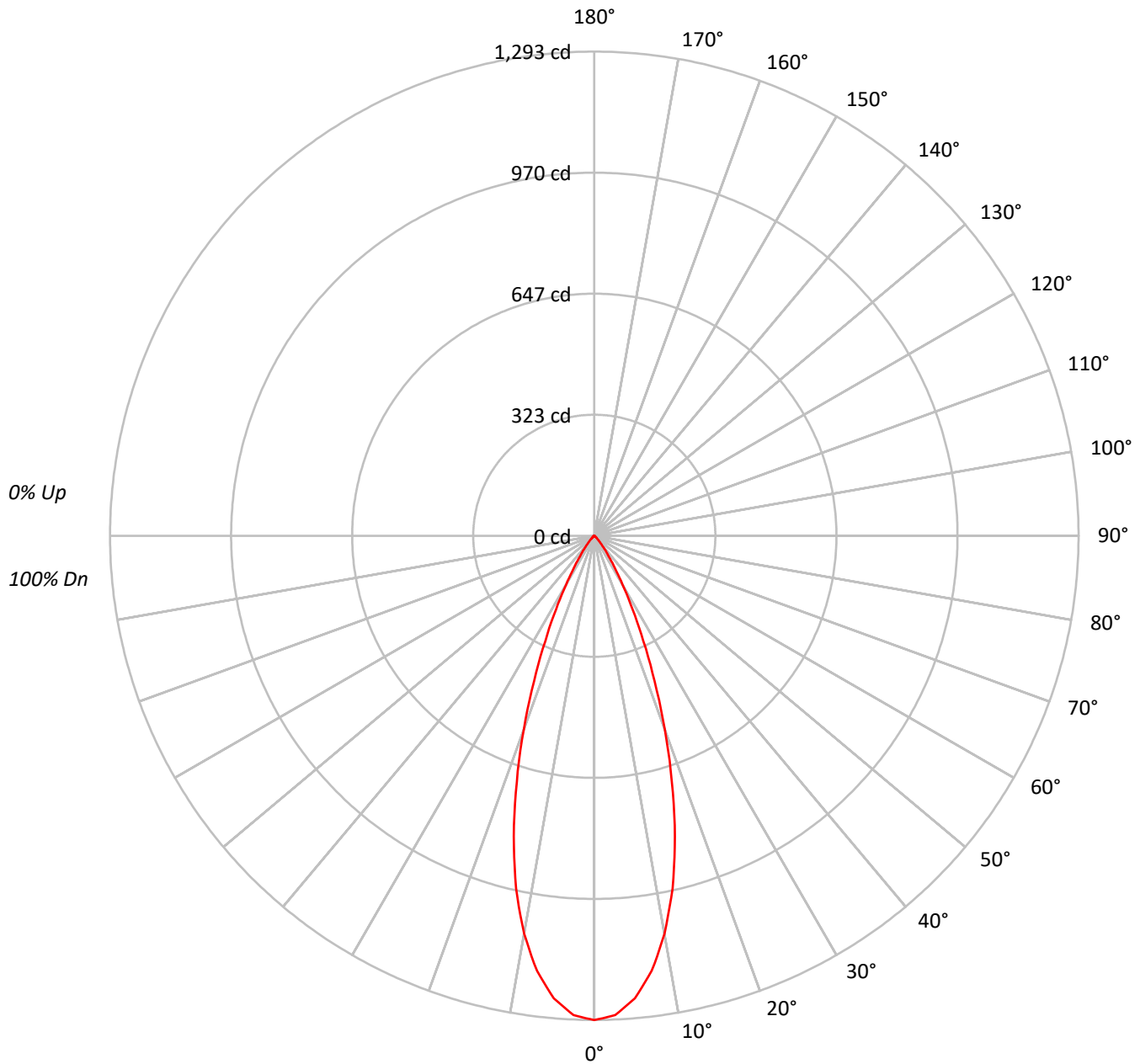
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					0
RW	70	50	30	10		70	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			100
1	114	112	110	108		112	110	108	106		106	104	103			102	101	100			95
2	110	106	102	100		108	104	101	98		101	98	96			98	96	94			91
3	106	100	96	93		104	99	95	92		96	93	91			94	91	89			87
4	102	95	91	87		100	94	90	87		92	89	86			90	87	85			82
5	98	91	86	82		96	90	85	82		88	84	81			87	83	81			79
6	94	87	82	78		93	86	81	78		85	80	77			83	80	77			75
7	90	83	78	75		89	82	78	74		81	77	74			80	76	74			72
8	87	79	75	71		86	79	74	71		78	74	71			77	73	70			69
9	84	76	71	68		83	76	71	68		75	71	68			74	70	68			66
10	81	73	69	65		80	73	68	65		72	68	65			71	68	65			64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	500993
5°	482066
10°	424315
15°	333279
20°	226589
25°	132320
30°	67403
35°	31871
40°	13905
45°	6026
50°	2892
55°	1891
60°	1085
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.2	20.9
10°-20°	226.0	41.6
20°-30°	145.1	26.7
30°-40°	46.0	8.5
40°-50°	9.8	1.8
50°-60°	2.5	0.5
60°-70°	0.3	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°	484.3	89.2
0°-40°	530.3	97.7
0°-60°	542.7	99.9
0°-90°	543.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	543.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1293	
5°	1240	113
15°	831	226
25°	310	145
35°	67	46
45°	11	10
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1293.4
2.5°	1281.1
5°	1239.8
7.5°	1172.3
10°	1078.8
12.5°	964.6
15°	831.1
17.5°	688.7
20°	549.7
22.5°	419.7
25°	309.6
27.5°	220.8
30°	150.7
32.5°	101.1
35°	67.4
37.5°	44.7
40°	27.5
42.5°	17.2
45°	11.0
47.5°	7.6
50°	4.8
52.5°	3.4
55°	2.8
57.5°	2.1
60°	1.4
62.5°	0.7
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)