

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: **LSR2B05WFL558035D010 2LBDL*WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14805)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B05WFL558035D010 2LBDL*WMH
Description: 500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 673.0 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

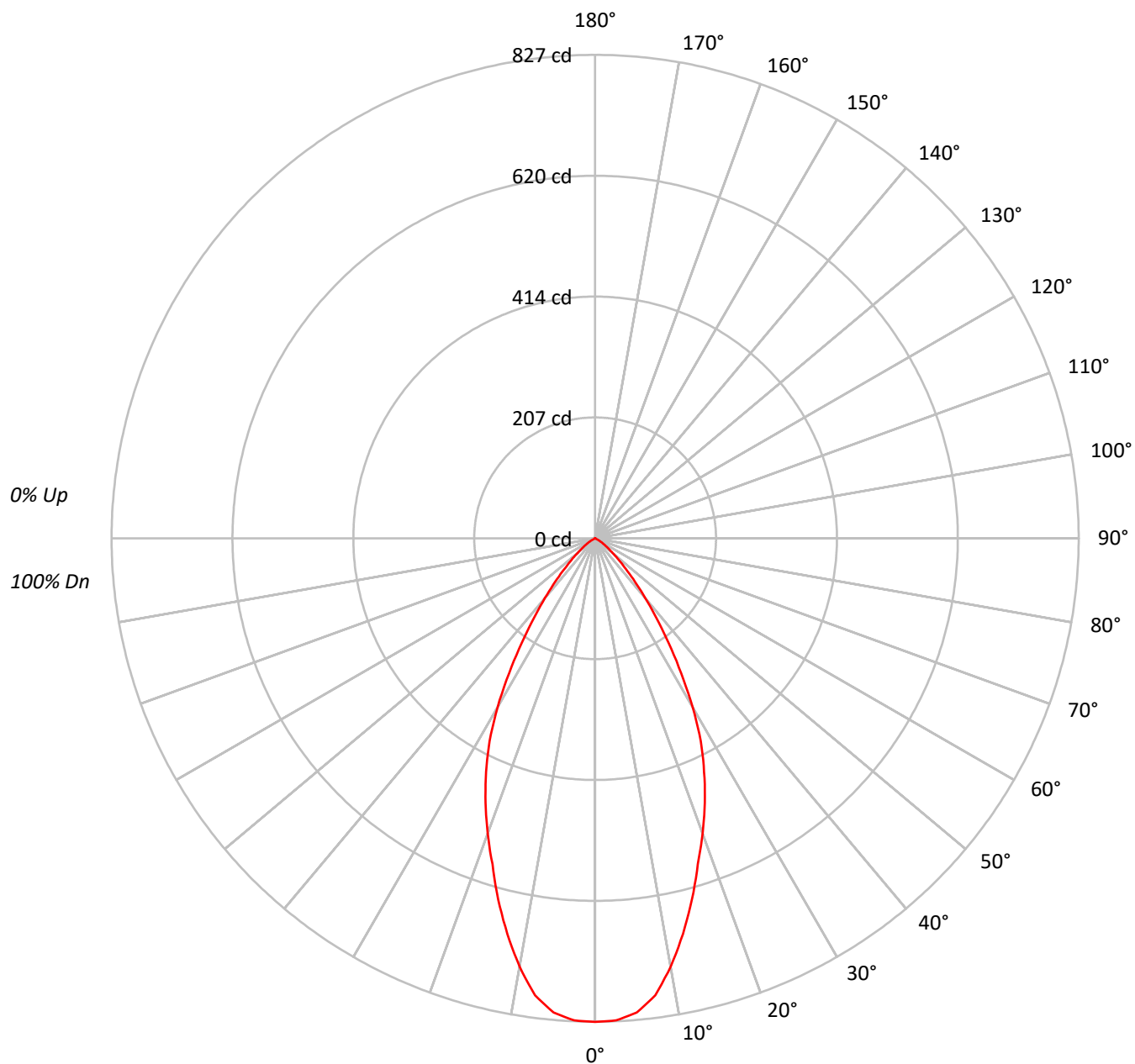
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				10				0			
RW	70	50	30	10	70	50	30	10	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	86						
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80						
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	78	76	74						
5	92	83	77	73	90	82	77	72	80	75	72	79	74	71	77	73	70	69						
6	87	78	72	67	85	77	71	67	75	70	67	74	70	66	73	69	66	64						
7	82	73	67	63	81	72	67	62	71	66	62	70	65	62	69	65	61	60						
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56						
9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	62	57	54	53						
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	320490
5°	316698
10°	292710
15°	256566
20°	221395
25°	188479
30°	149298
35°	103604
40°	67301
45°	40536
50°	23381
55°	13101
60°	5733
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	11.2
10°-20°	178.2	26.5
20°-30°	200.7	29.8
30°-40°	138.6	20.6
40°-50°	60.0	8.9
50°-60°	18.6	2.8
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°	454.4	67.5
0°-40°	593.0	88.1
0°-60°	671.7	99.8
0°-90°	673.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	673.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	827	
5°	814	76
15°	640	178
25°	441	201
35°	219	139
45°	74	60
55°	19	19
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	827.4
2.5°	825.6
5°	814.5
7.5°	788.6
10°	744.2
12.5°	693.4
15°	639.8
17.5°	584.3
20°	537.1
22.5°	490.0
25°	441.0
27.5°	391.1
30°	333.8
32.5°	273.7
35°	219.1
37.5°	172.0
40°	133.1
42.5°	100.8
45°	74.0
47.5°	54.5
50°	38.8
52.5°	27.7
55°	19.4
57.5°	13.9
60°	7.4
62.5°	1.8
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)