

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: P211949

Luminaire Tested: **LE_4B30D010 EC4B30508030 4LBS1B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P211949
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: LE_4B30D010 EC4B30508030 4LBS1B
Description: PORTFOLIO 4 INCH CYLINDER
SHALLOW DISTRIBUTION WITH SPECULAR BLACK TRIM
WATTAGE D010TR-27.4W DE010-27.95W D5LT-27.65W DMX-27.73W DL2-29.56W
DL3-29.67W DLE-29.73W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2922.2 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.3
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

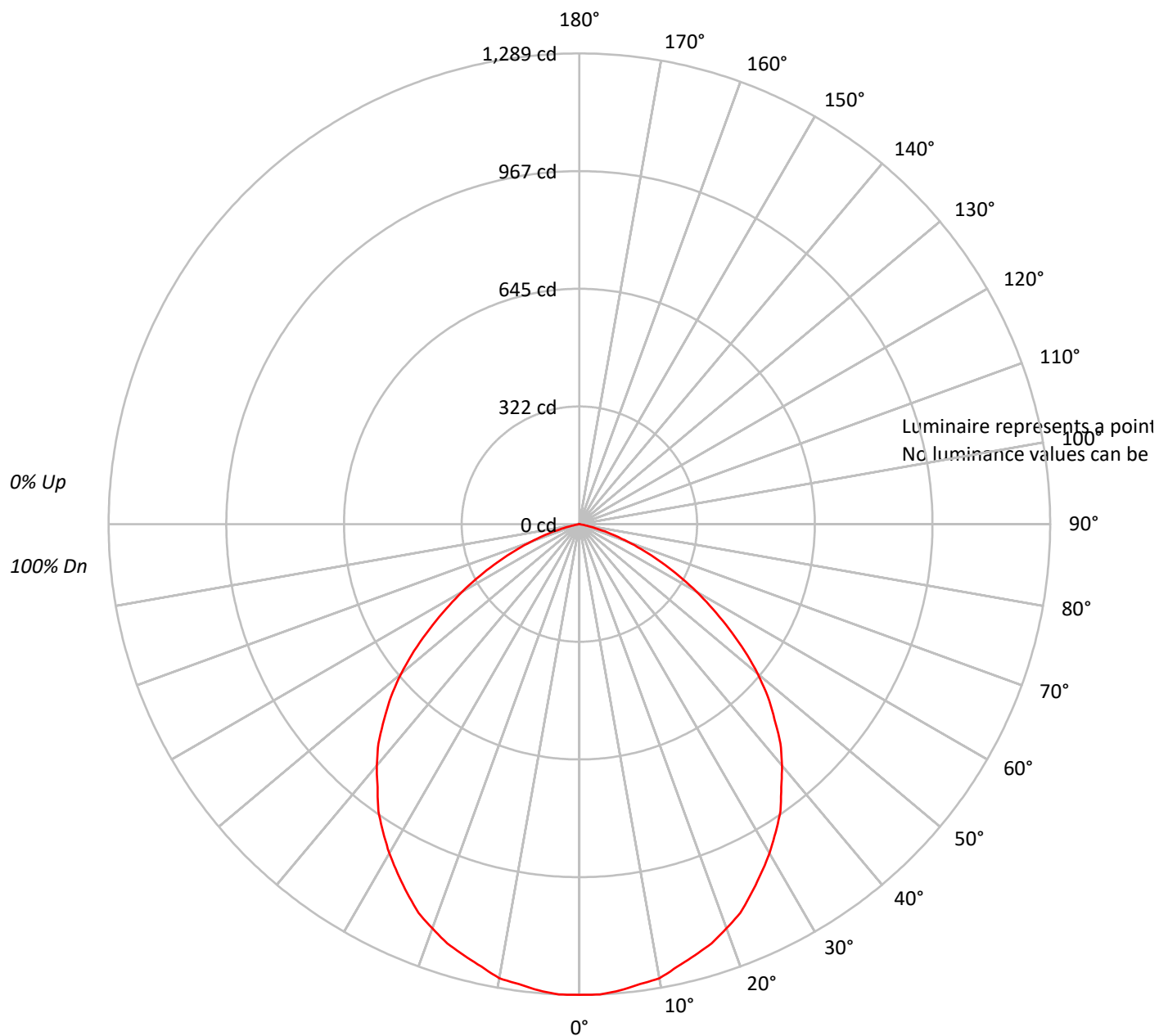
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





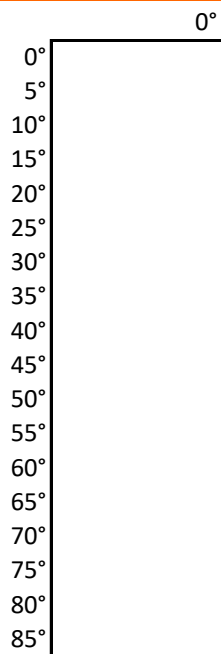
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	103	100	108	105	101	98	100	98	95		97	94	93		93
2	102	95	89	84	100	93	88	83	90	85	81		86	83	79		84
3	94	84	77	72	91	83	76	71	80	74	70		77	73	68		75
4	86	76	68	62	84	74	67	61	72	65	60		70	64	60		68
5	80	68	60	54	78	67	59	53	65	58	53		63	57	52		61
6	74	62	53	47	72	61	53	47	59	52	47		57	51	46		56
7	69	56	48	42	67	55	48	42	54	47	42		52	46	41		51
8	64	51	43	38	63	51	43	38	49	42	37		48	42	37		47
9	60	47	39	34	59	47	39	34	46	39	34		45	38	34		44
10	56	44	36	31	55	43	36	31	42	36	31		41	35	31		40

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.7	4.2
10°-20°	345.2	11.8
20°-30°	513.5	17.6
30°-40°	597.6	20.4
40°-50°	582.4	19.9
50°-60°	448.0	15.3
60°-70°	247.7	8.5
70°-80°	65.6	2.2
80°-90°	0.5	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°	980.4	33.6
0°-40°	1578.0	54.0
0°-60°	2608.5	89.3
0°-90°	2922.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2922.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1289	
5°	1282	122
15°	1222	345
25°	1115	514
35°	959	598
45°	756	582
55°	500	448
65°	248	248
75°	56	66
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1289.1
2.5°	1289.1
5°	1281.7
7.5°	1270.5
10°	1263.1
12.5°	1241.0
15°	1222.4
17.5°	1203.8
20°	1178.0
22.5°	1152.0
25°	1115.0
27.5°	1078.0
30°	1040.9
32.5°	1000.2
35°	959.4
37.5°	907.6
40°	863.0
42.5°	814.9
45°	755.6
47.5°	700.1
50°	637.2
52.5°	570.5
55°	500.1
57.5°	433.4
60°	370.4
62.5°	307.4
65°	248.2
67.5°	192.7
70°	140.7
72.5°	96.3
75°	55.6
77.5°	26.0
80°	3.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)