

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: P203161

Luminaire Tested: **LD6B40D010 EU6B30508040 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203161
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: LD6B40D010 EU6B30508040 6LBWMW1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH MATTE WHITE TRIM
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57
W DL3-44.71 W DLE-39.33 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4090.3 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

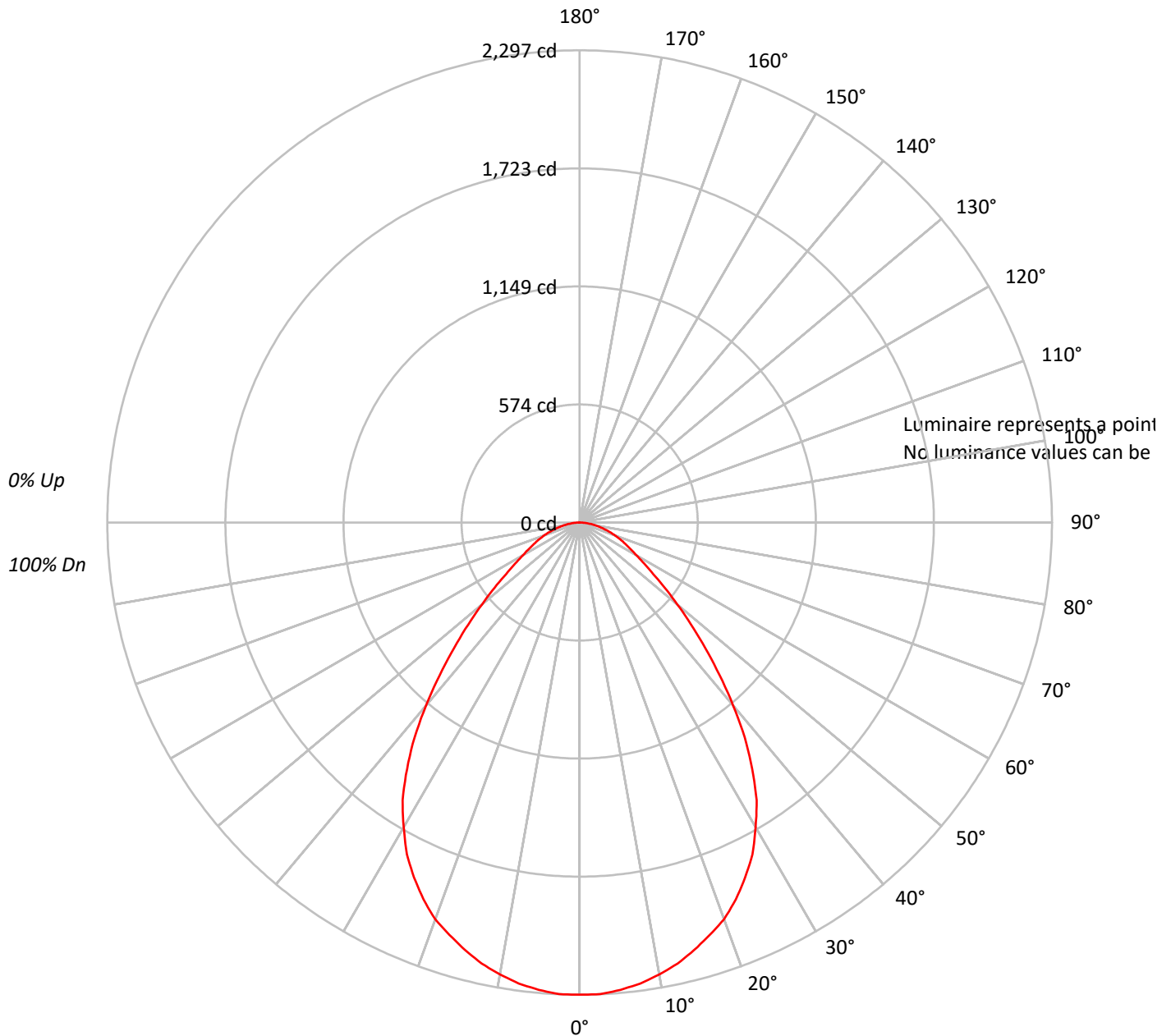
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203161

CATALOG NUMBER: LD6B40D010 EU6B30508040 6LBWMW1

Luminous Intensity Polar Plot





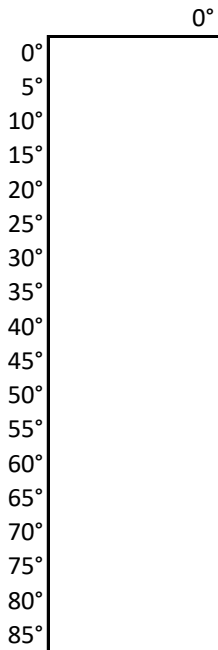
TEST NUMBER: P203161

CATALOG NUMBER: LD6B40D010 EU6B30508040 6LBWMW1

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	100		108	105	102	99		101	98	96		97	95	93		93	92	90
2	103	96	90	86		100	94	89	85		91	86	83		88	84	81		85	82	79
3	95	86	80	74		93	85	79	74		82	77	72		80	75	71		77	73	70
4	89	78	71	65		86	77	70	65		75	69	64		72	67	63		70	66	62
5	82	71	64	58		80	70	63	58		68	62	57		66	61	56		65	60	56
6	77	65	57	52		75	64	57	52		63	56	51		61	55	51		60	54	50
7	72	60	52	47		70	59	52	47		58	51	46		56	50	46		55	50	46
8	67	55	48	42		66	55	47	42		53	47	42		52	46	42		51	46	42
9	63	51	44	39		62	51	44	39		50	43	39		49	43	38		48	42	38
10	60	48	40	36		58	47	40	36		46	40	36		45	40	35		45	39	35

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203161

CATALOG NUMBER: LD6B40D010 EU6B30508040 6LBWMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.3	5.3
10°-20°	606.6	14.8
20°-30°	874.1	21.4
30°-40°	907.5	22.2
40°-50°	670.9	16.4
50°-60°	400.8	9.8
60°-70°	243.5	6.0
70°-80°	133.4	3.3
80°-90°	37.1	0.9
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°	1697.0	41.5
0°-40°	2604.5	63.7
0°-60°	3676.2	89.9
0°-90°	4090.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4090.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2297	
5°	2282	216
15°	2153	607
25°	1905	874
35°	1464	907
45°	863	671
55°	437	401
65°	243	244
75°	124	133
85°	30	37
90°	0	



TEST NUMBER: P203161

CATALOG NUMBER: LD6B40D010 EU6B30508040 6LBWMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2296.9
2.5°	2296.9
5°	2282.0
7.5°	2262.2
10°	2232.4
12.5°	2197.7
15°	2153.1
17.5°	2103.5
20°	2053.8
22.5°	1984.4
25°	1905.0
27.5°	1820.7
30°	1711.5
32.5°	1602.4
35°	1463.5
37.5°	1319.6
40°	1160.9
42.5°	1007.1
45°	863.2
47.5°	734.2
50°	620.1
52.5°	520.9
55°	436.6
57.5°	372.1
60°	317.5
62.5°	277.8
65°	243.1
67.5°	213.3
70°	183.6
72.5°	153.8
75°	124.0
77.5°	99.2
80°	74.4
82.5°	54.6
85°	29.8
87.5°	14.9
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)