

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: P205300

Luminaire Tested: **LD6B20D010 EU6B10209040 6LBNLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205300
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: LD6B20D010 EU6B10209040 6LBNLI1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SPECULAR CLEAR TRIM
WATTAGE D010TR-21.86 W DE010-20.46 W D5LT-21.24 W DMX-20.89 W DL2-22.5 W
DL3-21.8 6 W DLE-22.46 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1405.8 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

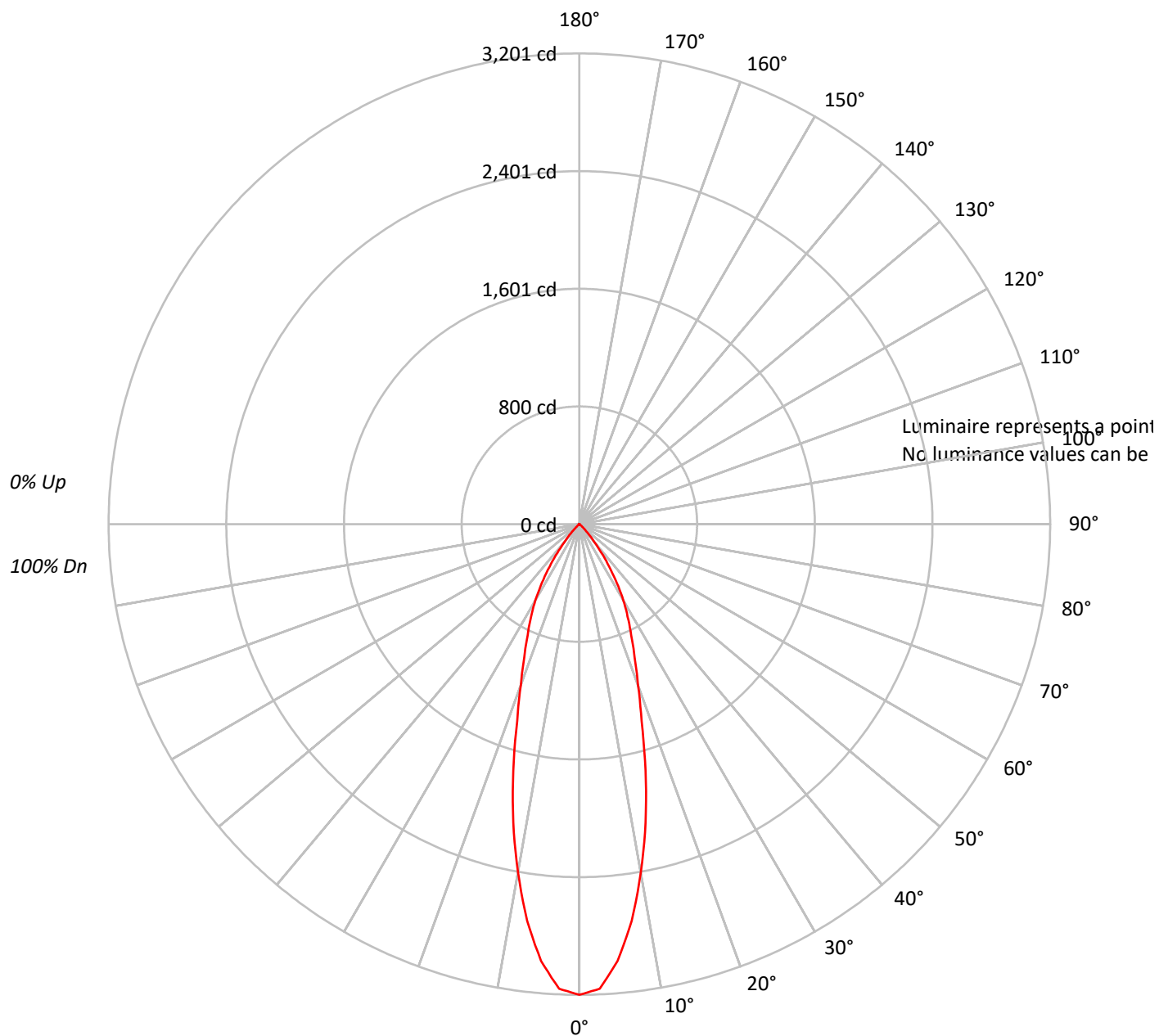
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





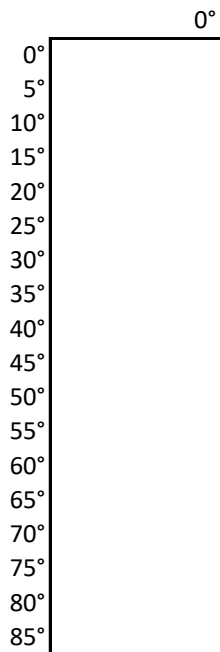
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	114	112	109	107		112	109	107	106		105	104	102			102	101	99			98
2	109	105	101	98		107	103	100	97		100	97	95			97	95	93			94
3	105	99	94	91		103	97	93	90		95	91	89			93	90	87			90
4	100	93	88	85		98	92	88	84		90	86	83			88	85	82			86
5	96	88	83	79		94	87	83	79		86	82	78			84	81	78			83
6	92	84	79	75		90	83	78	75		82	77	74			80	76	74			79
7	88	80	74	71		87	79	74	71		78	73	70			77	73	70			76
8	84	76	71	67		83	75	70	67		74	70	67			73	69	66			73
9	81	73	67	64		80	72	67	64		71	67	63			70	66	63			70
10	78	69	64	61		77	69	64	61		68	64	61			67	63	60			67

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.1	18.9
10°-20°	477.7	34.0
20°-30°	386.2	27.5
30°-40°	222.5	15.8
40°-50°	47.0	3.3
50°-60°	4.1	0.3
60°-70°	2.0	0.1
70°-80°	0.3	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°	1130.0	80.4
0°-40°	1352.5	96.2
0°-60°	1403.6	99.8
0°-90°	1405.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1405.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3201	
5°	2982	266
15°	1735	478
25°	833	386
35°	353	222
45°	51	47
55°	4	4
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3200.8
2.5°	3162.3
5°	2981.9
7.5°	2722.4
10°	2404.1
12.5°	2077.8
15°	1735.2
17.5°	1404.8
20°	1163.6
22.5°	979.1
25°	833.1
27.5°	709.5
30°	598.0
32.5°	474.3
35°	352.7
37.5°	245.3
40°	160.1
42.5°	97.3
45°	50.7
47.5°	20.3
50°	6.1
52.5°	6.1
55°	4.1
57.5°	4.1
60°	2.0
62.5°	2.0
65°	2.0
67.5°	2.0
70°	2.0
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)