

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: P204062

Luminaire Tested: **LD6B20D010 EU6B10208040 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204062
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 EU6B10208040 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH MATTE WHITE 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: 1523.6 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

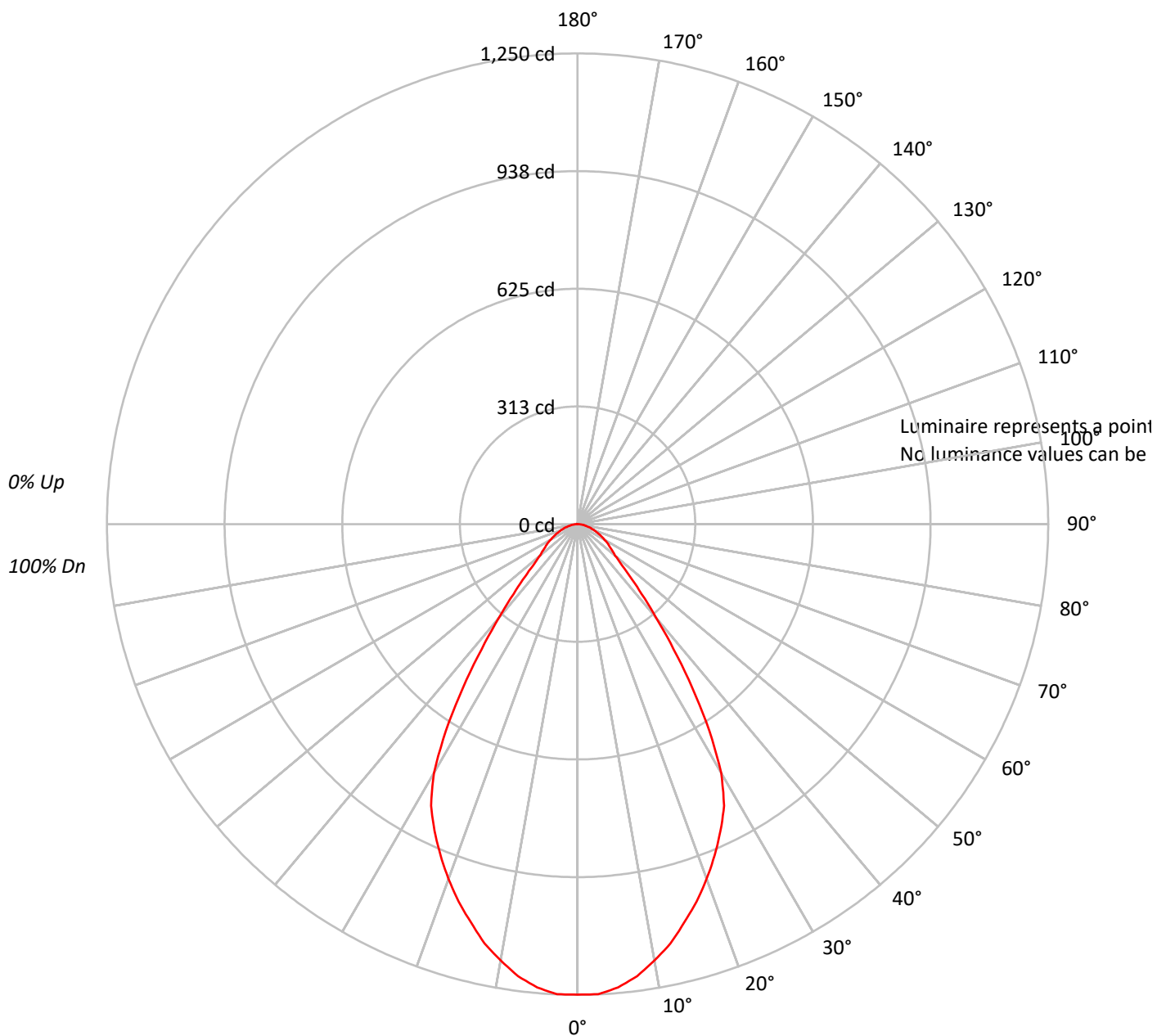
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204062

CATALOG NUMBER: LD6B20D010 EU6B10208040 6LBNMW1

Luminous Intensity Polar Plot





TEST NUMBER: P204062

CATALOG NUMBER: LD6B20D010 EU6B10208040 6LBNMW1

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	112	108	105	103	109	106	103	101	102	100	98		98	97	95		95
2	105	99	94	90	102	97	92	89	94	90	87		91	87	85		88
3	98	90	84	79	96	89	83	79	86	81	77		84	80	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	81	71	64	59	80	70	63	59	68	63	58		67	62	58		66
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		61
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58
9	69	58	51	46	67	57	51	46	56	50	46		55	50	46		54
10	65	54	47	43	64	54	47	43	53	47	43		52	46	43		51

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204062

CATALOG NUMBER: LD6B20D010 EU6B10208040 6LBNMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.0	7.6
10°-20°	307.6	20.2
20°-30°	410.6	26.9
30°-40°	331.3	21.7
40°-50°	158.8	10.4
50°-60°	94.1	6.2
60°-70°	62.6	4.1
70°-80°	33.5	2.2
80°-90°	9.2	0.6
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°	834.2	54.8
0°-40°	1165.5	76.5
0°-60°	1418.3	93.1
0°-90°	1523.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1523.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1250	
5°	1235	116
15°	1095	308
25°	898	411
35°	530	331
45°	196	159
55°	104	94
65°	63	63
75°	32	34
85°	7	9
90°	0	



TEST NUMBER: P204062

CATALOG NUMBER: LD6B20D010 EU6B10208040 6LBNMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1249.6
2.5°	1249.6
5°	1235.0
7.5°	1210.8
10°	1176.9
12.5°	1140.6
15°	1094.6
17.5°	1051.0
20°	1002.6
22.5°	951.7
25°	898.4
27.5°	842.7
30°	762.8
32.5°	651.4
35°	530.3
37.5°	418.9
40°	324.5
42.5°	251.9
45°	196.2
47.5°	155.0
50°	130.8
52.5°	116.2
55°	104.1
57.5°	94.4
60°	82.3
62.5°	72.6
65°	63.0
67.5°	53.3
70°	46.0
72.5°	38.7
75°	31.5
77.5°	24.2
80°	19.4
82.5°	14.5
85°	7.3
87.5°	2.4
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)