

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: P204580

Luminaire Tested: **LD6B20D010 EU6B10209024 6LBSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204580
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 EU6B10209024 6LBSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW 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: 1652.5 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

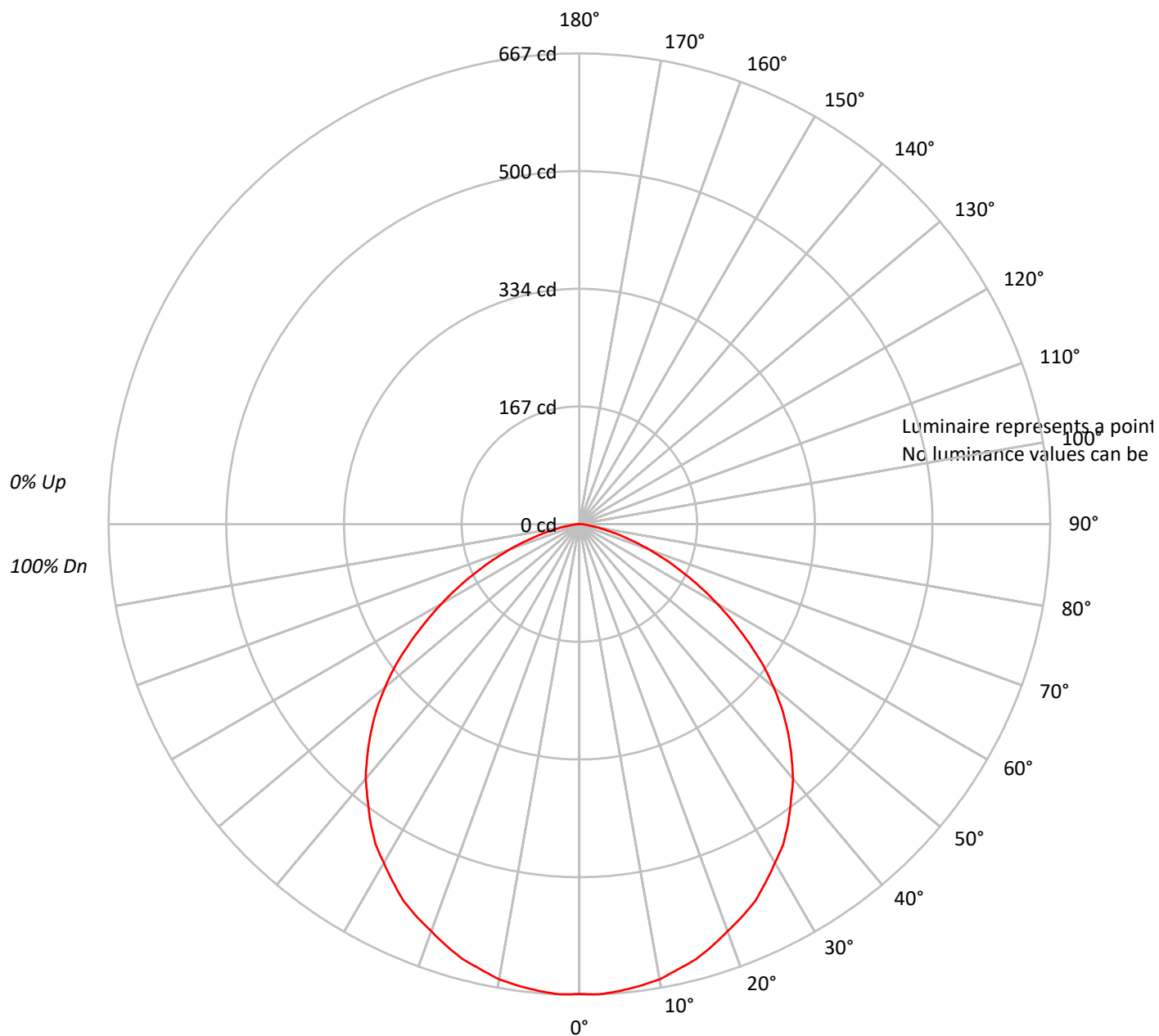
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204580

CATALOG NUMBER: LD6B20D010 EU6B10209024 6LBSMW1

Luminous Intensity Polar Plot





TEST NUMBER: P204580

CATALOG NUMBER: LD6B20D010 EU6B10209024 6LBSMW1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	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	100		
1	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86		
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74		
3	93	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63		
4	85	74	66	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54		
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	49	47		
6	73	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204580

CATALOG NUMBER: LD6B20D010 EU6B10209024 6LBSMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.1	3.8
10°-20°	179.8	10.9
20°-30°	270.8	16.4
30°-40°	322.3	19.5
40°-50°	321.7	19.5
50°-60°	261.6	15.8
60°-70°	161.0	9.7
70°-80°	62.3	3.8
80°-90°	10.0	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°	513.7	31.1
0°-40°	836.0	50.6
0°-60°	1419.3	85.9
0°-90°	1652.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1652.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	666	
5°	664	63
15°	638	180
25°	589	271
35°	516	322
45°	418	322
55°	293	262
65°	162	161
75°	57	62
85°	8	10
90°	0	



TEST NUMBER: P204580

CATALOG NUMBER: LD6B20D010 EU6B10209024 6LBSMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	665.8
2.5°	666.8
5°	663.9
7.5°	659.9
10°	655.0
12.5°	646.2
15°	638.4
17.5°	626.7
20°	613.9
22.5°	602.2
25°	589.4
27.5°	571.8
30°	554.2
32.5°	537.6
35°	516.0
37.5°	492.5
40°	471.0
42.5°	444.5
45°	418.1
47.5°	389.7
50°	359.3
52.5°	328.0
55°	292.8
57.5°	258.5
60°	225.2
62.5°	192.9
65°	161.6
67.5°	132.2
70°	104.8
72.5°	79.3
75°	56.8
77.5°	37.2
80°	22.5
82.5°	13.7
85°	7.8
87.5°	3.9
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)