

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: P202723

Luminaire Tested: **LD6B20D010 EU6B10208040 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202723
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 6LBWH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SEMI-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: 1867.1 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

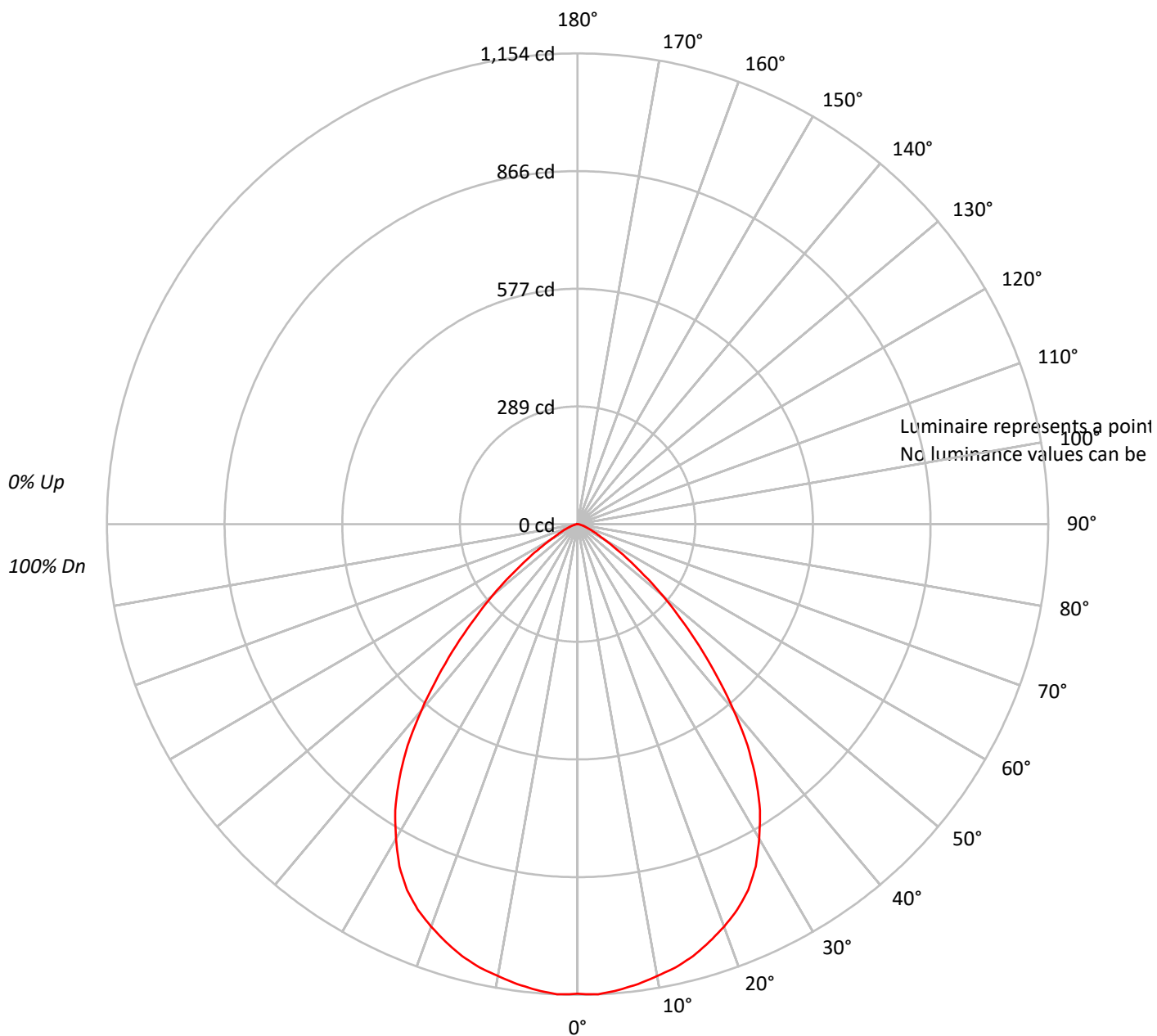
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202723

CATALOG NUMBER: LD6B20D010 EU6B10208040 6LBWH1

Luminous Intensity Polar Plot





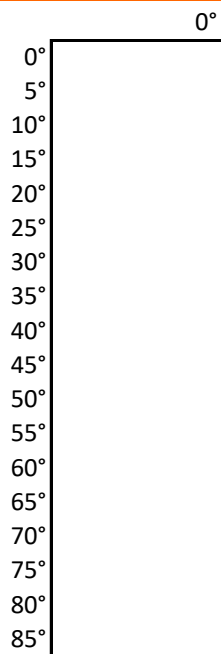
TEST NUMBER: P202723

CATALOG NUMBER: LD6B20D010 EU6B10208040 6LBWH1

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	109	106	103	110	107	104	101	103	100	98		99	97	95		95
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	75	68	63	84	74	68	63	72	66	62		71	65	61		69
6	80	69	62	57	78	68	61	56	67	61	56		65	60	56		64
7	75	64	56	51	73	63	56	51	62	55	51		60	55	51		59
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55
9	66	55	48	43	65	54	47	43	53	47	43		52	47	42		51
10	62	51	44	40	61	50	44	39	50	43	39		49	43	39		48

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P202723

CATALOG NUMBER: LD6B20D010 EU6B10208040 6LBWH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.8	5.8
10°-20°	308.6	16.5
20°-30°	452.5	24.2
30°-40°	471.0	25.2
40°-50°	325.8	17.5
50°-60°	141.8	7.6
60°-70°	43.5	2.3
70°-80°	13.0	0.7
80°-90°	2.0	0.1
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°	869.9	46.6
0°-40°	1340.9	71.8
0°-60°	1808.6	96.9
0°-90°	1867.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1867.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1152	
5°	1147	109
15°	1096	309
25°	990	453
35°	762	471
45°	421	326
55°	152	142
65°	41	43
75°	12	13
85°	2	2
90°	0	



TEST NUMBER: P202723

CATALOG NUMBER: LD6B20D010 EU6B10208040 6LBWH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1151.6
2.5°	1154.0
5°	1146.8
7.5°	1137.1
10°	1125.0
12.5°	1112.9
15°	1096.0
17.5°	1074.2
20°	1050.0
22.5°	1023.4
25°	989.5
27.5°	946.0
30°	890.3
32.5°	832.3
35°	762.1
37.5°	684.7
40°	595.2
42.5°	505.6
45°	421.0
47.5°	341.1
50°	271.0
52.5°	205.6
55°	152.4
57.5°	108.9
60°	75.0
62.5°	55.6
65°	41.1
67.5°	31.5
70°	21.8
72.5°	16.9
75°	12.1
77.5°	7.3
80°	4.8
82.5°	2.4
85°	2.4
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)