

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: P203458

Luminaire Tested: **LD6B30D010 EU6B30508050 6LBMB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203458
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: LD6B30D010 EU6B30508050 6LBMB1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SPECULAR BLACK TRIM
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W
DL3-29.67 W DLE-29.73 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1331.9 lumens
Efficiency: N/A
Efficacy: 47.6 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.86
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

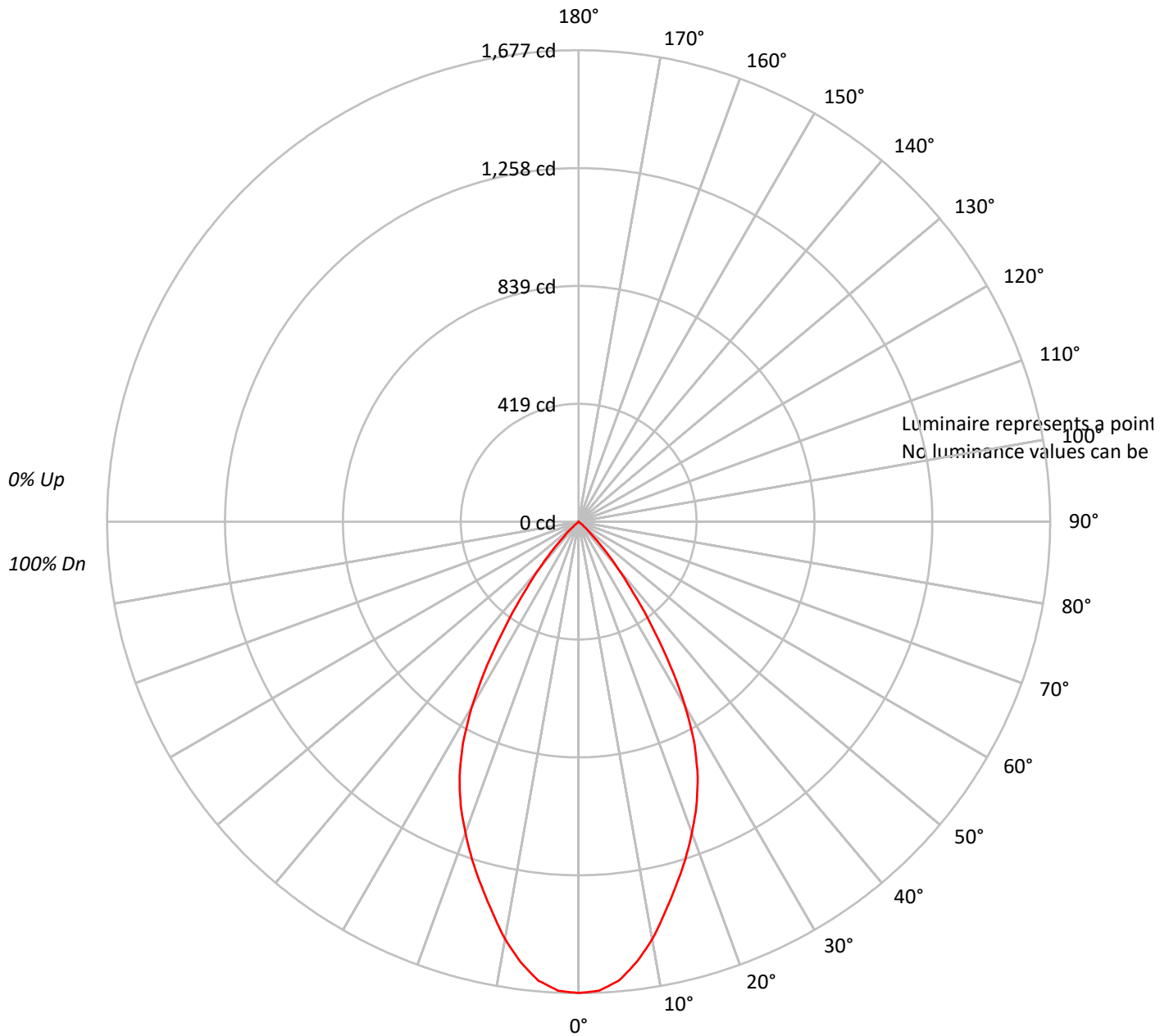
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203458

CATALOG NUMBER: LD6B30D010 EU6B30508050 6LBM B1

Luminous Intensity Polar Plot





TEST NUMBER: P203458

CATALOG NUMBER: LD6B30D010 EU6B30508050 6LBMB1

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94		
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88		
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82		
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	81	78	76		
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	72		
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67		
7	84	75	69	65	83	75	69	65	73	68	65	72	68	65	71	67	64	63		
8	80	71	65	61	79	71	65	61	69	64	61	68	64	61	67	63	60	59		
9	77	67	61	58	76	67	61	57	66	61	57	65	60	57	64	60	57	56		
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52		

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203458

CATALOG NUMBER: LD6B30D010 EU6B30508050 6LBMB1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.1	11.4
10°-20°	375.4	28.2
20°-30°	452.2	33.9
30°-40°	286.0	21.5
40°-50°	65.5	4.9
50°-60°	0.7	0.1
60°-70°	0.0	0.0
70°-80°	0.0	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°	979.7	73.6
0°-40°	1265.7	95.0
0°-60°	1331.9	100.0
0°-90°	1331.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1331.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1677	
5°	1639	152
15°	1339	375
25°	1002	452
35°	451	286
45°	72	65
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P203458

CATALOG NUMBER: LD6B30D010 EU6B30508050 6LBMB1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1676.7
2.5°	1669.8
5°	1638.9
7.5°	1580.3
10°	1508.0
12.5°	1421.9
15°	1339.3
17.5°	1260.1
20°	1177.5
22.5°	1094.9
25°	1001.9
27.5°	891.7
30°	757.5
32.5°	606.0
35°	451.0
37.5°	320.2
40°	216.9
42.5°	134.3
45°	72.3
47.5°	31.0
50°	6.9
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
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



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)