

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: P202538

Luminaire Tested: **LD6B30D010 EU6B30509727 6LBSWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202538
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 EU6B30509727 6LBSWMH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH WARM HAZE 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: 2217.8 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

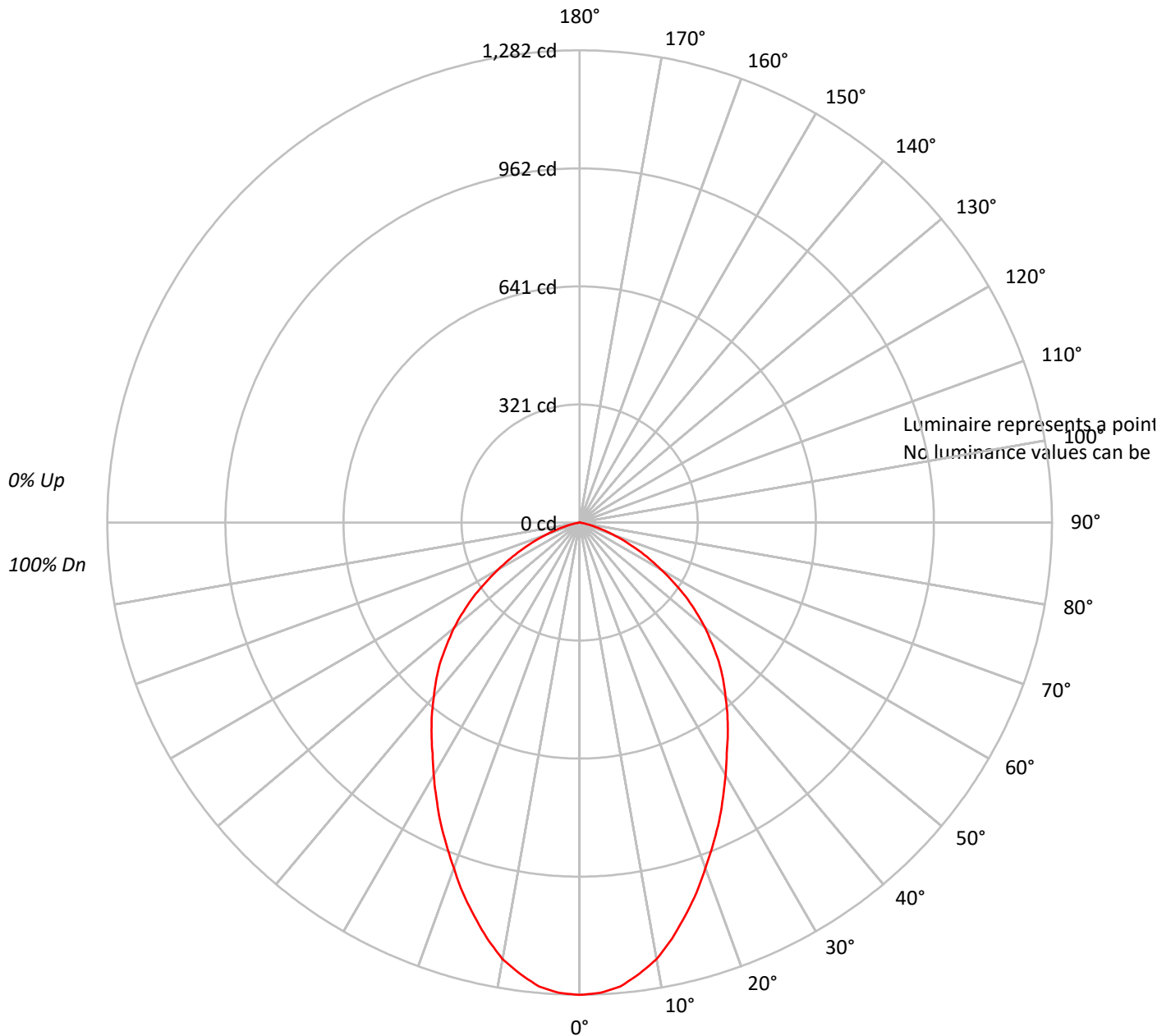
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202538

CATALOG NUMBER: LD6B30D010 EU6B30509727 6LBSWMH1

Luminous Intensity Polar Plot





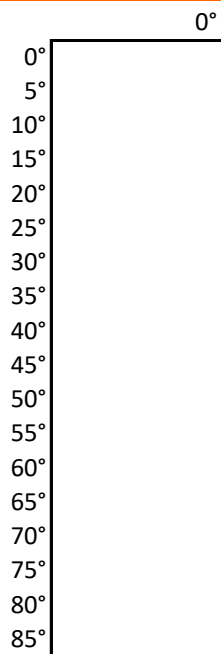
TEST NUMBER: P202538

CATALOG NUMBER: LD6B30D010 EU6B30509727 6LBSWMH1

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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	101		108	105	102	99		101	98	96		97	95	93		94	92	90
2	103	96	90	85		100	94	89	84		91	86	82		87	84	81		84	81	79
3	95	86	79	73		92	84	78	73		81	76	71		79	74	70		76	72	69
4	88	77	70	64		86	76	69	63		74	67	62		71	66	62		69	65	61
5	81	70	62	56		79	69	61	56		67	60	55		65	59	55		63	58	54
6	76	64	56	50		74	63	55	50		61	54	49		59	53	49		58	53	48
7	70	58	50	45		69	57	50	45		56	49	44		55	48	44		53	48	44
8	66	54	46	40		64	53	45	40		52	45	40		50	44	40		49	44	40
9	62	49	42	37		61	49	42	37		48	41	37		47	41	36		46	40	36
10	58	46	39	34		57	45	38	34		45	38	34		44	38	33		43	37	33

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P202538

CATALOG NUMBER: LD6B30D010 EU6B30509727 6LBSWMH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.7	5.4
10°-20°	310.2	14.0
20°-30°	411.3	18.5
30°-40°	438.7	19.8
40°-50°	410.1	18.5
50°-60°	312.7	14.1
60°-70°	170.1	7.7
70°-80°	45.7	2.1
80°-90°	0.6	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°	840.1	37.9
0°-40°	1278.8	57.7
0°-60°	2001.5	90.2
0°-90°	2217.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2217.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1282	
5°	1265	119
15°	1106	310
25°	895	411
35°	701	439
45°	534	410
55°	352	313
65°	170	170
75°	39	46
85°	0	1
90°	0	



TEST NUMBER: P202538

CATALOG NUMBER: LD6B30D010 EU6B30509727 6LBSWMH1

CANDELA DISTRIBUTION (FULL):

0°	
0°	1282.5
2.5°	1278.4
5°	1264.8
7.5°	1236.3
10°	1203.7
12.5°	1157.5
15°	1105.9
17.5°	1054.2
20°	998.5
22.5°	945.6
25°	895.3
27.5°	842.3
30°	792.0
32.5°	743.1
35°	701.0
37.5°	658.9
40°	615.4
42.5°	576.0
45°	533.9
47.5°	487.7
50°	444.3
52.5°	398.1
55°	351.9
57.5°	301.6
60°	255.4
62.5°	211.9
65°	169.8
67.5°	131.8
70°	96.5
72.5°	66.6
75°	39.4
77.5°	17.7
80°	4.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)