

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: P204381

Luminaire Tested: **LD6B30D010 EU6B30508027 6LBSGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204381
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 EU6B30508027 6LBSGPH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH GRAPHITE 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: 2701.0 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.26
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

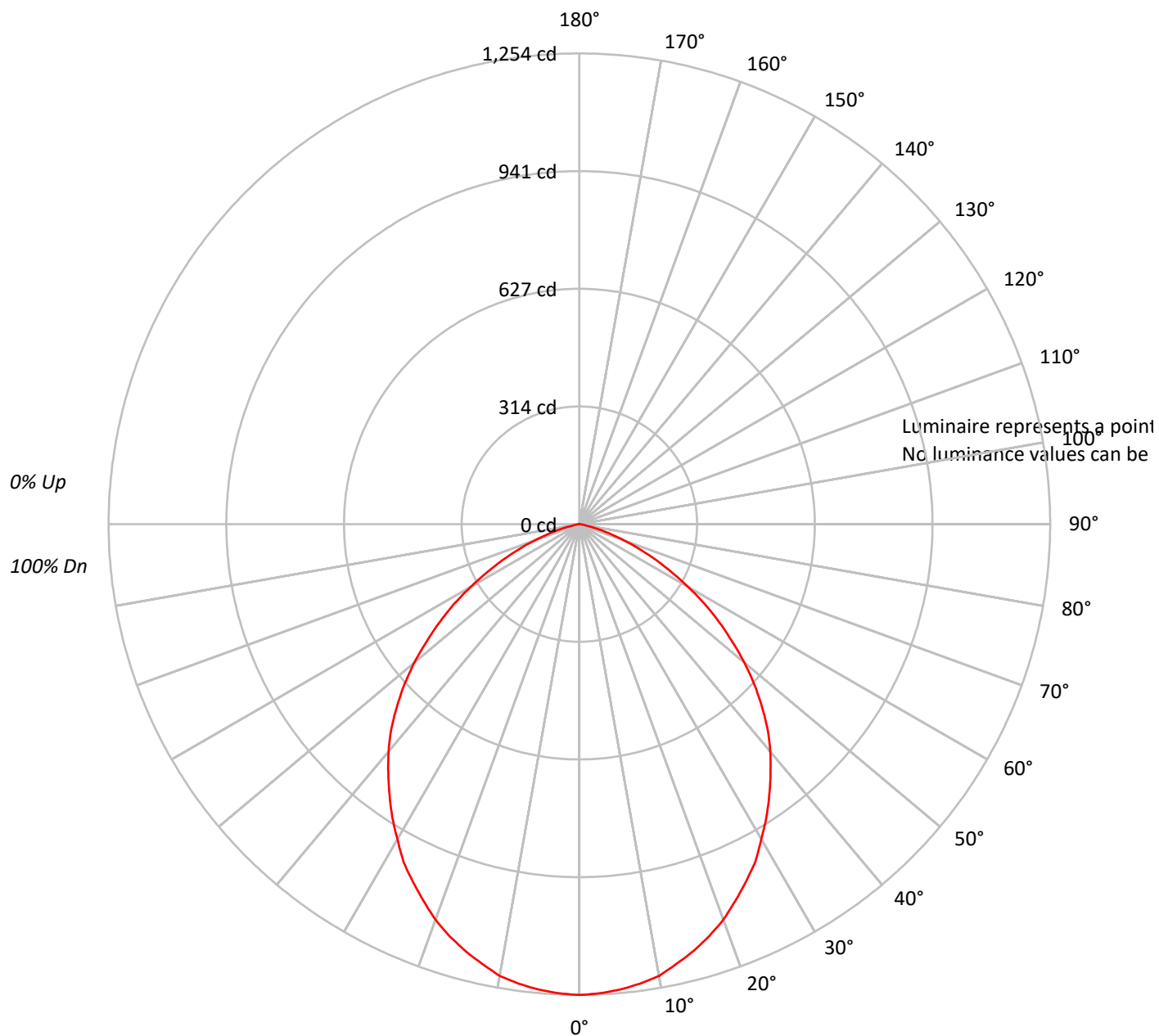
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204381

CATALOG NUMBER: LD6B30D010 EU6B30508027 6LBSGPH1

Luminous Intensity Polar Plot





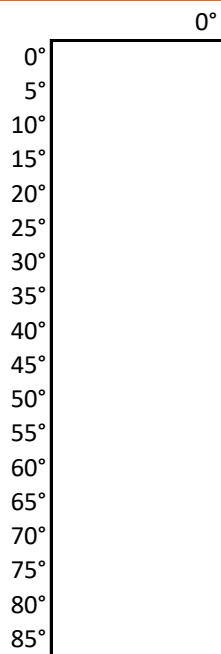
TEST NUMBER: P204381

CATALOG NUMBER: LD6B30D010 EU6B30508027 6LBSGPH1

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	111	107	103	100	108	105	102	99	101	98	96		97	95	93		93
2	102	95	89	84	100	93	88	83	90	85	82		87	83	80		84
3	94	85	78	72	92	83	77	71	80	75	70		78	73	69		75
4	87	76	68	62	85	75	67	62	72	66	61		70	65	60		68
5	80	68	60	54	78	67	60	54	65	59	53		63	58	53		62
6	74	62	54	48	73	61	53	48	59	52	47		58	52	47		56
7	69	57	48	43	68	56	48	43	54	47	42		53	47	42		52
8	65	52	44	38	63	51	44	38	50	43	38		49	42	38		48
9	60	48	40	35	59	47	40	35	46	39	35		45	39	34		44
10	57	44	37	32	56	44	36	32	43	36	31		42	36	31		41

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204381

CATALOG NUMBER: LD6B30D010 EU6B30508027 6LBSGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.1	4.4
10°-20°	331.5	12.3
20°-30°	483.6	17.9
30°-40°	551.4	20.4
40°-50°	528.9	19.6
50°-60°	405.1	15.0
60°-70°	222.3	8.2
70°-80°	59.1	2.2
80°-90°	0.9	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°	933.2	34.6
0°-40°	1484.6	55.0
0°-60°	2418.7	89.5
0°-90°	2701.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2701.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1254	
5°	1245	118
15°	1177	332
25°	1050	484
35°	882	551
45°	687	529
55°	454	405
65°	224	222
75°	52	59
85°	0	1
90°	0	



TEST NUMBER: P204381

CATALOG NUMBER: LD6B30D010 EU6B30508027 6LBSGPH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1254.5
2.5°	1251.2
5°	1244.7
7.5°	1235.0
10°	1222.1
12.5°	1199.4
15°	1176.7
17.5°	1150.7
20°	1121.6
22.5°	1085.9
25°	1050.3
27.5°	1014.6
30°	969.2
32.5°	927.1
35°	881.7
37.5°	836.3
40°	790.9
42.5°	742.3
45°	687.2
47.5°	632.1
50°	573.7
52.5°	512.2
55°	453.8
57.5°	395.5
60°	333.9
62.5°	275.5
65°	223.7
67.5°	171.8
70°	126.4
72.5°	84.3
75°	51.9
77.5°	22.7
80°	6.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)