

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: P202944

Luminaire Tested: **LD6B30D010 EU6B30509024 6LBWGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202944
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 EU6B30509024 6LBWGPH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTIONWITH 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: 1421.4 lumens
Efficiency: N/A
Efficacy: 50.8 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

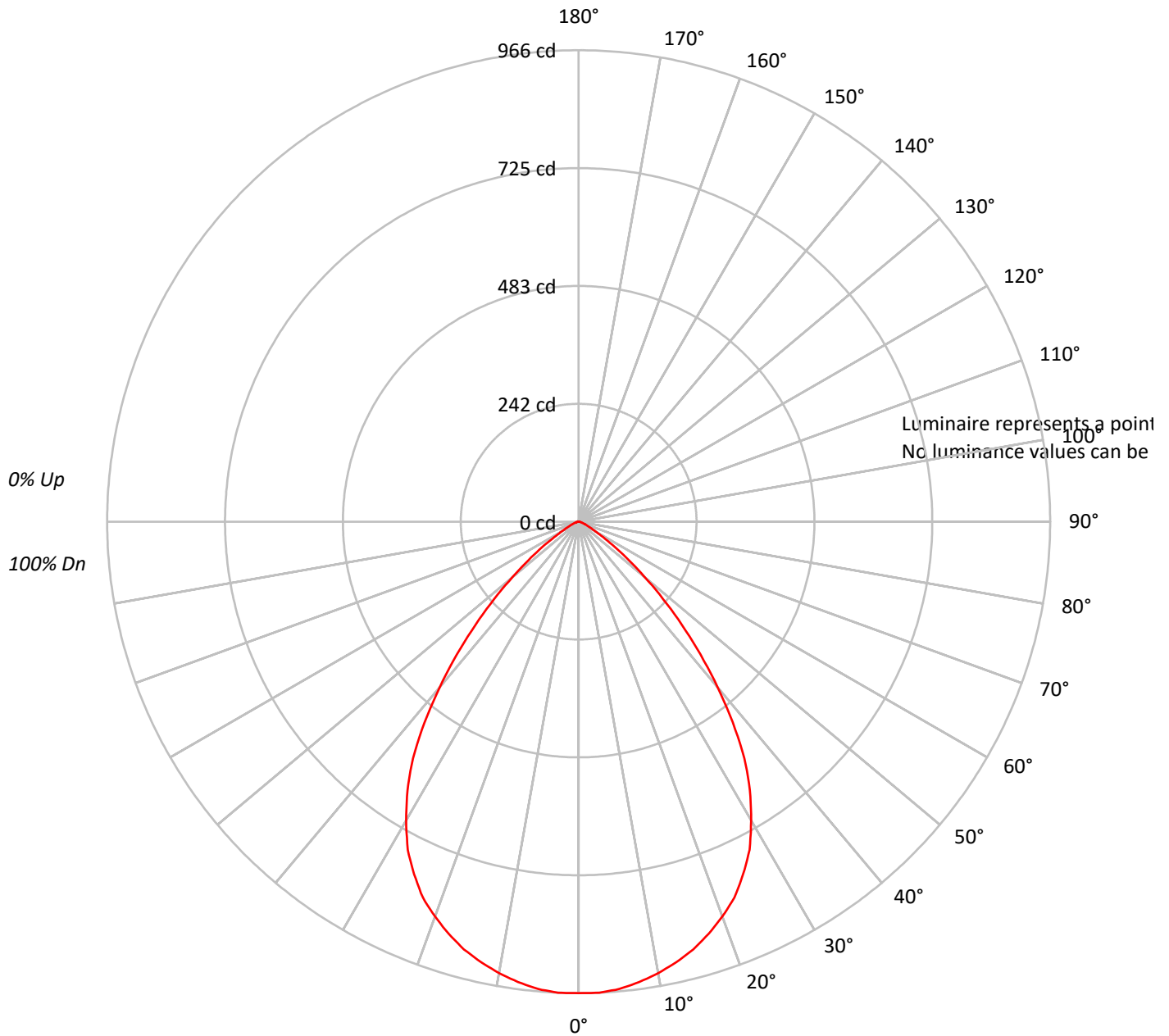
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202944

CATALOG NUMBER: LD6B30D010 EU6B30509024 6LBWGPH1

Luminous Intensity Polar Plot





TEST NUMBER: P202944

CATALOG NUMBER: LD6B30D010 EU6B30509024 6LBWGPH1

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	112	109	106	104		110	107	104	102		103	101	99		99	98	96		96	94	93
2	106	100	95	91		103	98	94	90		95	91	88		92	89	86		89	86	84
3	99	91	85	81		97	90	84	80		87	82	79		85	81	77		82	79	76
4	93	84	77	72		91	82	76	72		80	75	71		78	74	70		76	72	69
5	87	77	70	65		85	76	69	65		74	68	64		72	67	63		71	66	63
6	81	71	64	59		80	70	63	59		68	62	58		67	62	58		65	61	57
7	76	65	58	53		75	65	58	53		63	57	53		62	57	53		61	56	52
8	72	61	54	49		70	60	53	49		59	53	49		58	52	48		57	52	48
9	68	57	50	45		66	56	49	45		55	49	45		54	48	45		53	48	44
10	64	53	46	42		63	52	46	42		51	45	41		51	45	41		50	45	41

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P202944

CATALOG NUMBER: LD6B30D010 EU6B30509024 6LBWGPH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.0	6.4
10°-20°	255.2	18.0
20°-30°	365.1	25.7
30°-40°	364.0	25.6
40°-50°	231.8	16.3
50°-60°	85.5	6.0
60°-70°	21.4	1.5
70°-80°	6.4	0.5
80°-90°	1.0	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°	711.4	50.0
0°-40°	1075.3	75.7
0°-60°	1392.6	98.0
0°-90°	1421.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1421.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	966	
5°	961	91
15°	907	255
25°	797	365
35°	592	364
45°	298	232
55°	90	85
65°	20	21
75°	5	6
85°	0	1
90°	0	



TEST NUMBER: P202944

CATALOG NUMBER: LD6B30D010 EU6B30509024 6LBWGPH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	966.1
2.5°	966.1
5°	961.2
7.5°	951.4
10°	939.2
12.5°	924.5
15°	907.4
17.5°	885.3
20°	860.9
22.5°	834.0
25°	797.3
27.5°	758.2
30°	706.8
32.5°	653.0
35°	591.9
37.5°	518.5
40°	442.7
42.5°	369.3
45°	298.4
47.5°	234.8
50°	176.1
52.5°	129.6
55°	90.5
57.5°	58.7
60°	39.1
62.5°	26.9
65°	19.6
67.5°	14.7
70°	12.2
72.5°	7.3
75°	4.9
77.5°	4.9
80°	2.4
82.5°	2.4
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)