

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: P204112

Luminaire Tested: **LD6B60D010TE EU6B60708030 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204112
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: LD6B60D010TE EU6B60708030 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4310.5 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

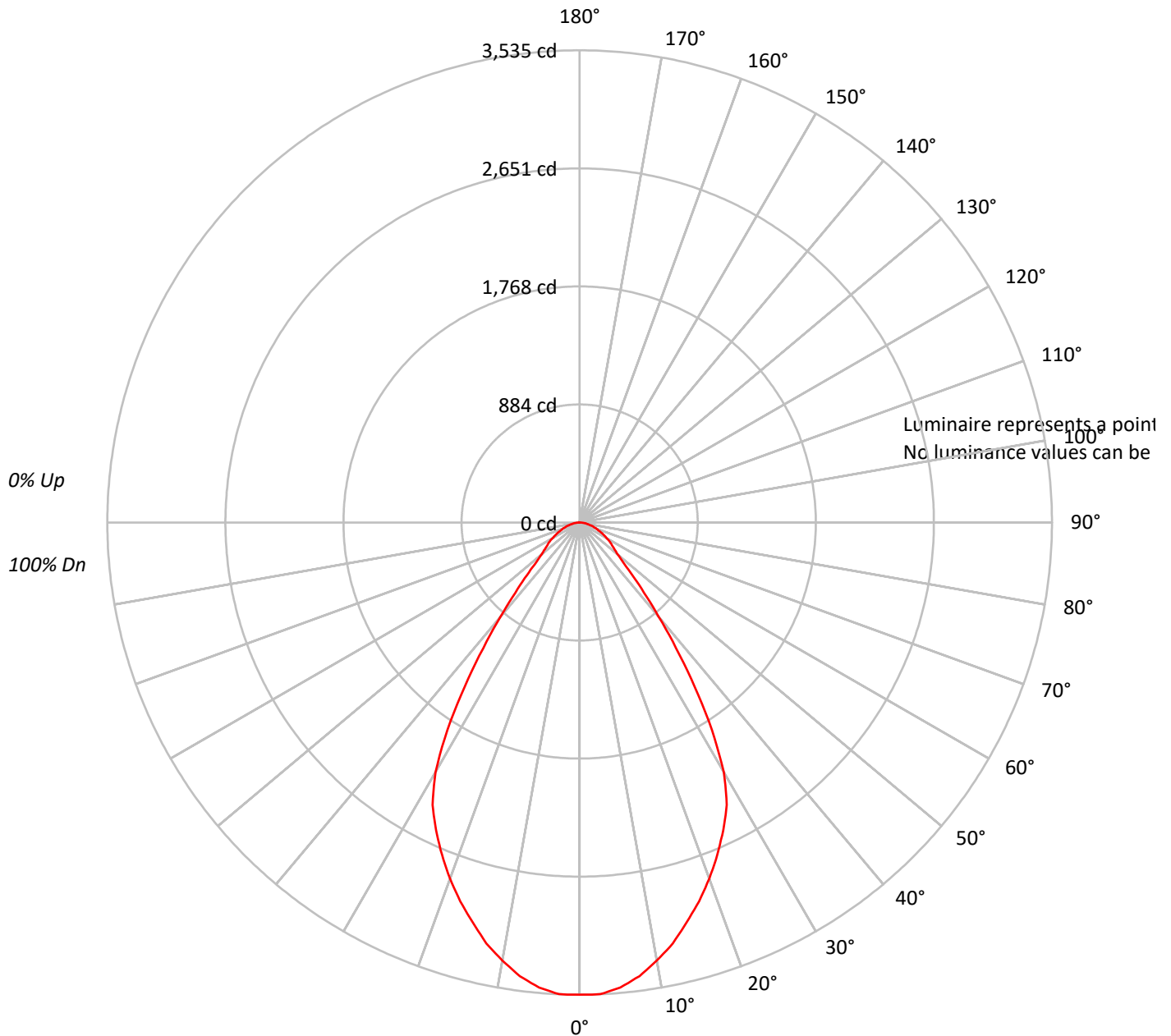
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204112

CATALOG NUMBER: LD6B60D010TE EU6B60708030 6LBNMW1

Luminous Intensity Polar Plot





TEST NUMBER: P204112

CATALOG NUMBER: LD6B60D010TE EU6B60708030 6LBNMW1

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	108	105	103		109	106	103	101		102	100	98		98	97	95		95	93	92
2	105	99	94	90		102	97	92	89		94	90	87		91	87	85		88	85	83
3	98	90	84	79		96	89	83	79		86	81	77		84	80	76		81	78	75
4	92	83	76	71		90	82	76	71		80	74	70		77	73	69		75	71	68
5	87	77	70	64		85	76	69	64		74	68	64		72	67	63		70	66	62
6	81	71	64	59		80	70	63	59		68	63	58		67	62	58		66	61	57
7	77	66	59	54		75	65	59	54		64	58	54		63	57	53		61	57	53
8	72	61	55	50		71	61	54	50		60	54	49		59	53	49		58	53	49
9	69	58	51	46		67	57	51	46		56	50	46		55	50	46		54	49	46
10	65	54	47	43		64	54	47	43		53	47	43		52	46	43		51	46	43

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204112

CATALOG NUMBER: LD6B60D010TE EU6B60708030 6LBNMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.3	7.6
10°-20°	870.1	20.2
20°-30°	1161.7	26.9
30°-40°	937.2	21.7
40°-50°	449.2	10.4
50°-60°	266.2	6.2
60°-70°	177.0	4.1
70°-80°	94.8	2.2
80°-90°	26.1	0.6
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°	2360.0	54.8
0°-40°	3297.2	76.5
0°-60°	4012.6	93.1
0°-90°	4310.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4310.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3535	
5°	3494	328
15°	3097	870
25°	2542	1162
35°	1500	937
45°	555	449
55°	295	266
65°	178	177
75°	89	95
85°	21	26
90°	0	



TEST NUMBER: P204112

CATALOG NUMBER: LD6B60D010TE EU6B60708030 6LBNMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	3535.1
2.5°	3535.1
5°	3494.0
7.5°	3425.5
10°	3329.6
12.5°	3226.8
15°	3096.6
17.5°	2973.3
20°	2836.3
22.5°	2692.4
25°	2541.7
27.5°	2384.1
30°	2158.0
32.5°	1842.9
35°	1500.4
37.5°	1185.2
40°	918.0
42.5°	712.5
45°	554.9
47.5°	438.5
50°	370.0
52.5°	328.8
55°	294.6
57.5°	267.2
60°	232.9
62.5°	205.5
65°	178.1
67.5°	150.7
70°	130.2
72.5°	109.6
75°	89.1
77.5°	68.5
80°	54.8
82.5°	41.1
85°	20.6
87.5°	6.9
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)