

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: P204532

Luminaire Tested: **LD6B60D010TE EU6B60709040 6LBSB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204532
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 EU6B60709040 6LBSB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR BLACK TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4743.6 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.3
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

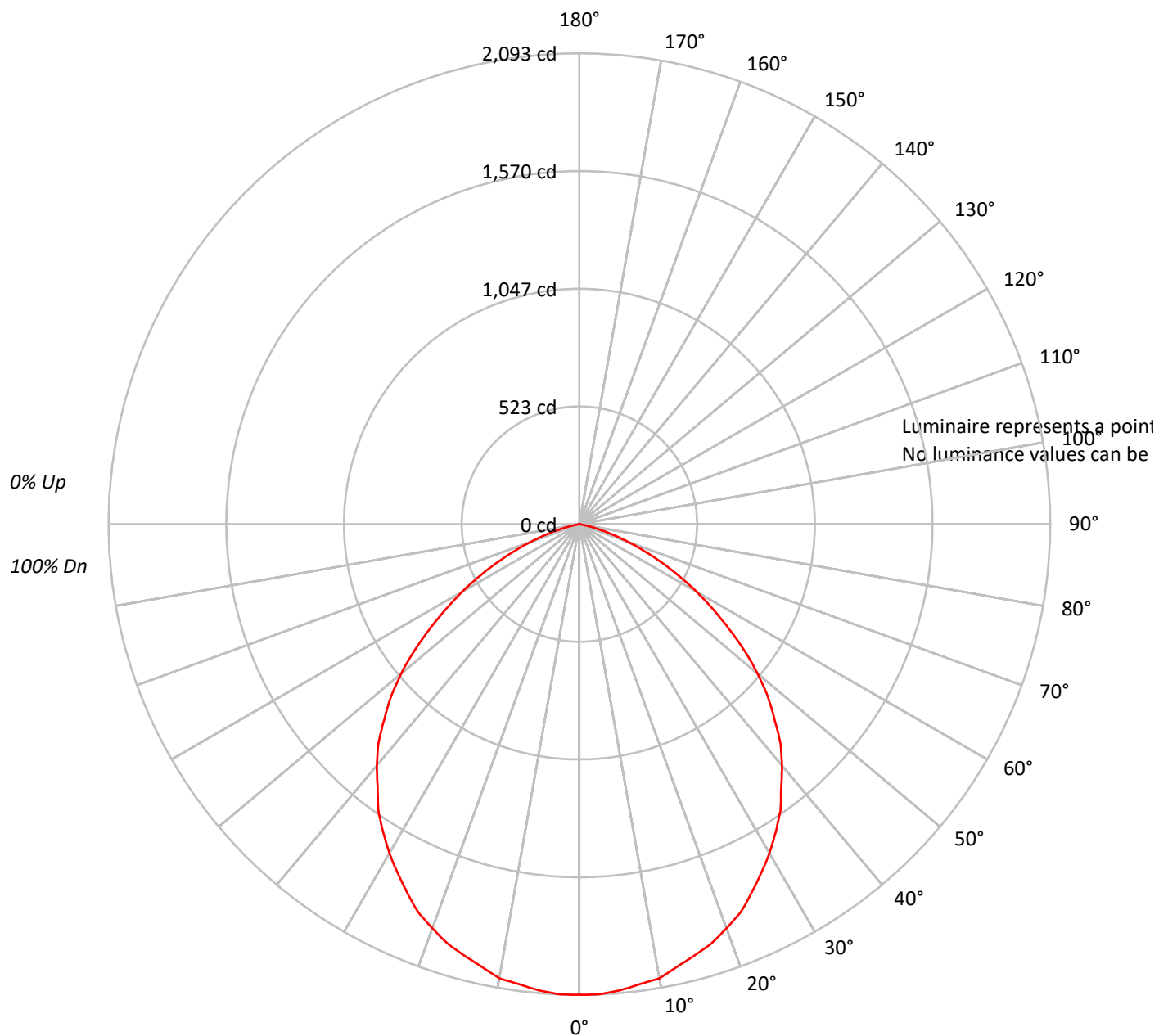
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204532

CATALOG NUMBER: LD6B60D010TE EU6B60709040 6LBSB1

Luminous Intensity Polar Plot





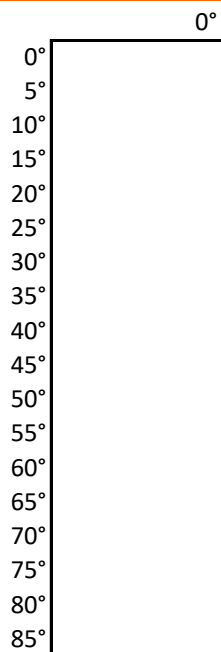
TEST NUMBER: P204532

CATALOG NUMBER: LD6B60D010TE EU6B60709040 6LBSB1

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	101	98		100	98	95			97	94	93			93
2	102	95	89	84	100	93	88	83		90	85	81			86	83	79			84
3	94	84	77	72	91	83	76	71		80	74	70			77	73	68			75
4	86	76	68	62	84	74	67	61		72	65	60			70	64	60			68
5	80	68	60	54	78	67	59	53		65	58	53			63	57	52			61
6	74	62	53	47	72	61	53	47		59	52	47			57	51	46			56
7	69	56	48	42	67	55	48	42		54	47	42			52	46	41			51
8	64	51	43	38	63	51	43	38		49	42	37			48	42	37			47
9	60	47	39	34	59	47	39	34		46	39	34			45	38	34			44
10	56	44	36	31	55	43	36	31		42	36	31			41	35	31			40

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204532

CATALOG NUMBER: LD6B60D010TE EU6B60709040 6LBSB1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.5	4.2
10°-20°	560.4	11.8
20°-30°	833.6	17.6
30°-40°	970.1	20.4
40°-50°	945.5	19.9
50°-60°	727.2	15.3
60°-70°	402.0	8.5
70°-80°	106.5	2.2
80°-90°	0.8	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°	1591.5	33.6
0°-40°	2561.6	54.0
0°-60°	4234.3	89.3
0°-90°	4743.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4743.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2093	
5°	2081	198
15°	1984	560
25°	1810	834
35°	1557	970
45°	1227	946
55°	812	727
65°	403	402
75°	90	106
85°	0	1
90°	0	



TEST NUMBER: P204532

CATALOG NUMBER: LD6B60D010TE EU6B60709040 6LBSB1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2092.6
2.5°	2092.6
5°	2080.6
7.5°	2062.5
10°	2050.5
12.5°	2014.4
15°	1984.3
17.5°	1954.3
20°	1912.2
22.5°	1870.1
25°	1810.0
27.5°	1749.8
30°	1689.7
32.5°	1623.6
35°	1557.4
37.5°	1473.2
40°	1401.1
42.5°	1322.9
45°	1226.7
47.5°	1136.5
50°	1034.3
52.5°	926.0
55°	811.8
57.5°	703.5
60°	601.3
62.5°	499.1
65°	402.9
67.5°	312.7
70°	228.5
72.5°	156.3
75°	90.2
77.5°	42.1
80°	6.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)