

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: P204639

Luminaire Tested: **LD6B60D010TE EU6B60709730 6LBSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204639
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 EU6B60709730 6LB5MW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW 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: 4842.0 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

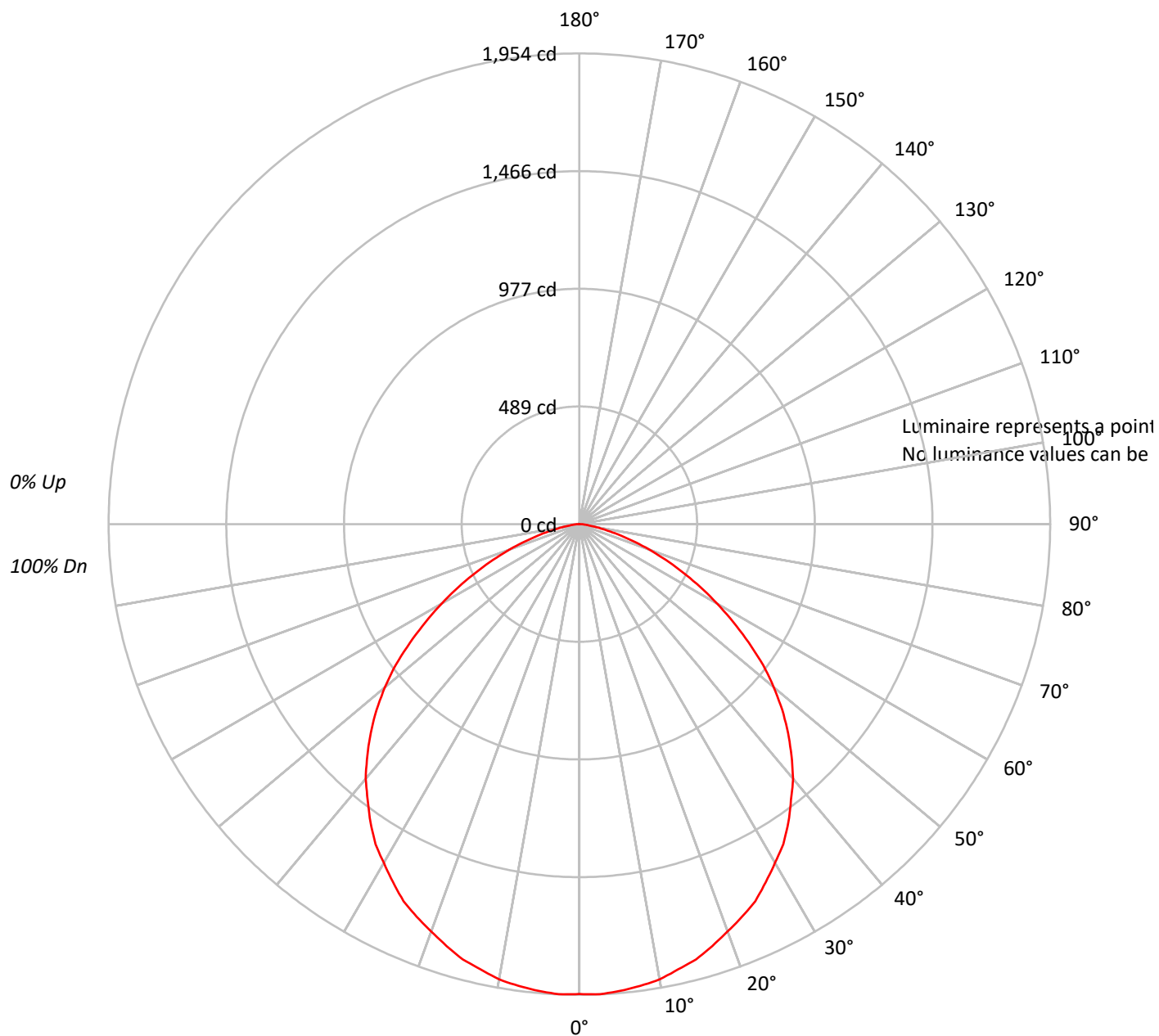
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	110	106	102	99	107	104	100	97	99	97	94		96	93	91		92
2	101	93	87	82	98	92	86	81	88	83	79		85	81	77		82
3	93	83	75	69	90	81	74	69	78	72	67		76	70	66		73
4	85	74	65	59	83	72	65	59	70	63	58		68	62	57		66
5	78	66	58	51	76	65	57	51	63	56	51		61	55	50		59
6	73	60	51	45	71	59	51	45	57	50	44		55	49	44		54
7	67	54	46	40	66	54	46	40	52	45	40		51	44	39		49
8	63	50	41	36	61	49	41	36	48	41	35		46	40	35		45
9	59	46	38	32	57	45	37	32	44	37	32		43	36	32		42
10	55	42	34	29	54	42	34	29	41	34	29		40	33	29		39

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.8	3.8
10°-20°	526.9	10.9
20°-30°	793.5	16.4
30°-40°	944.2	19.5
40°-50°	942.5	19.5
50°-60°	766.5	15.8
60°-70°	471.6	9.7
70°-80°	182.7	3.8
80°-90°	29.3	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°	1505.3	31.1
0°-40°	2449.5	50.6
0°-60°	4158.5	85.9
0°-90°	4842.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4842.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1951	
5°	1945	185
15°	1870	527
25°	1727	794
35°	1512	944
45°	1225	942
55°	858	766
65°	473	472
75°	166	183
85°	23	29
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1950.8
2.5°	1953.7
5°	1945.1
7.5°	1933.6
10°	1919.3
12.5°	1893.5
15°	1870.5
17.5°	1836.1
20°	1798.8
22.5°	1764.4
25°	1727.1
27.5°	1675.4
30°	1623.8
32.5°	1575.0
35°	1511.9
37.5°	1443.0
40°	1379.9
42.5°	1302.5
45°	1225.0
47.5°	1141.8
50°	1052.9
52.5°	961.1
55°	857.8
57.5°	757.4
60°	659.8
62.5°	565.2
65°	473.4
67.5°	387.3
70°	307.0
72.5°	232.4
75°	166.4
77.5°	109.0
80°	66.0
82.5°	40.2
85°	23.0
87.5°	11.5
90°	0.0



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— 0°-180°







(END OF REPORT)