

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: P202977

Luminaire Tested: **LD6B50D010TE EU6B30509730 6LBWGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202977
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: LD6B50D010TE EU6B30509730 6LBWGPH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTIONWITH GRAPHITE HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2656.0 lumens
Efficiency: N/A
Efficacy: 45.2 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

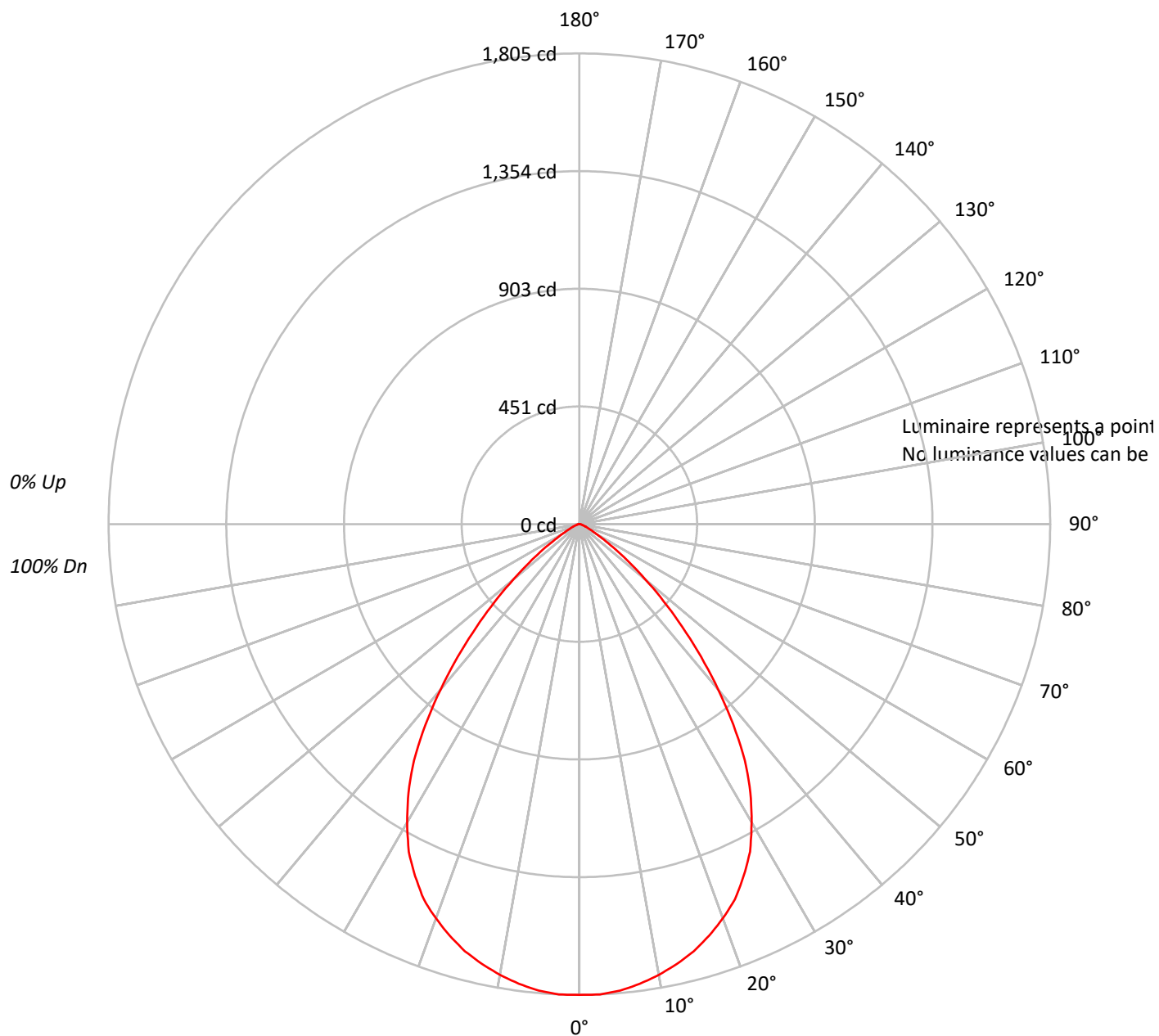
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.1	6.4
10°-20°	476.9	18.0
20°-30°	682.3	25.7
30°-40°	680.1	25.6
40°-50°	433.1	16.3
50°-60°	159.7	6.0
60°-70°	40.0	1.5
70°-80°	12.0	0.5
80°-90°	1.9	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°	1329.2	50.0
0°-40°	2009.3	75.7
0°-60°	2602.2	98.0
0°-90°	2656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2656.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1805	
5°	1796	170
15°	1696	477
25°	1490	682
35°	1106	680
45°	558	433
55°	169	160
65°	37	40
75°	9	12
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1805.2
2.5°	1805.2
5°	1796.0
7.5°	1777.7
10°	1754.9
12.5°	1727.5
15°	1695.5
17.5°	1654.4
20°	1608.7
22.5°	1558.4
25°	1489.8
27.5°	1416.7
30°	1320.7
32.5°	1220.2
35°	1106.0
37.5°	968.9
40°	827.2
42.5°	690.1
45°	557.5
47.5°	438.7
50°	329.0
52.5°	242.2
55°	169.1
57.5°	109.7
60°	73.1
62.5°	50.3
65°	36.6
67.5°	27.4
70°	22.9
72.5°	13.7
75°	9.1
77.5°	9.1
80°	4.6
82.5°	4.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)