

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: P204212

Luminaire Tested: **LD6B50D010TE EU6B30509727 6LBSH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204212
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 EU6B30509727 6LB5H1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3976.0 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

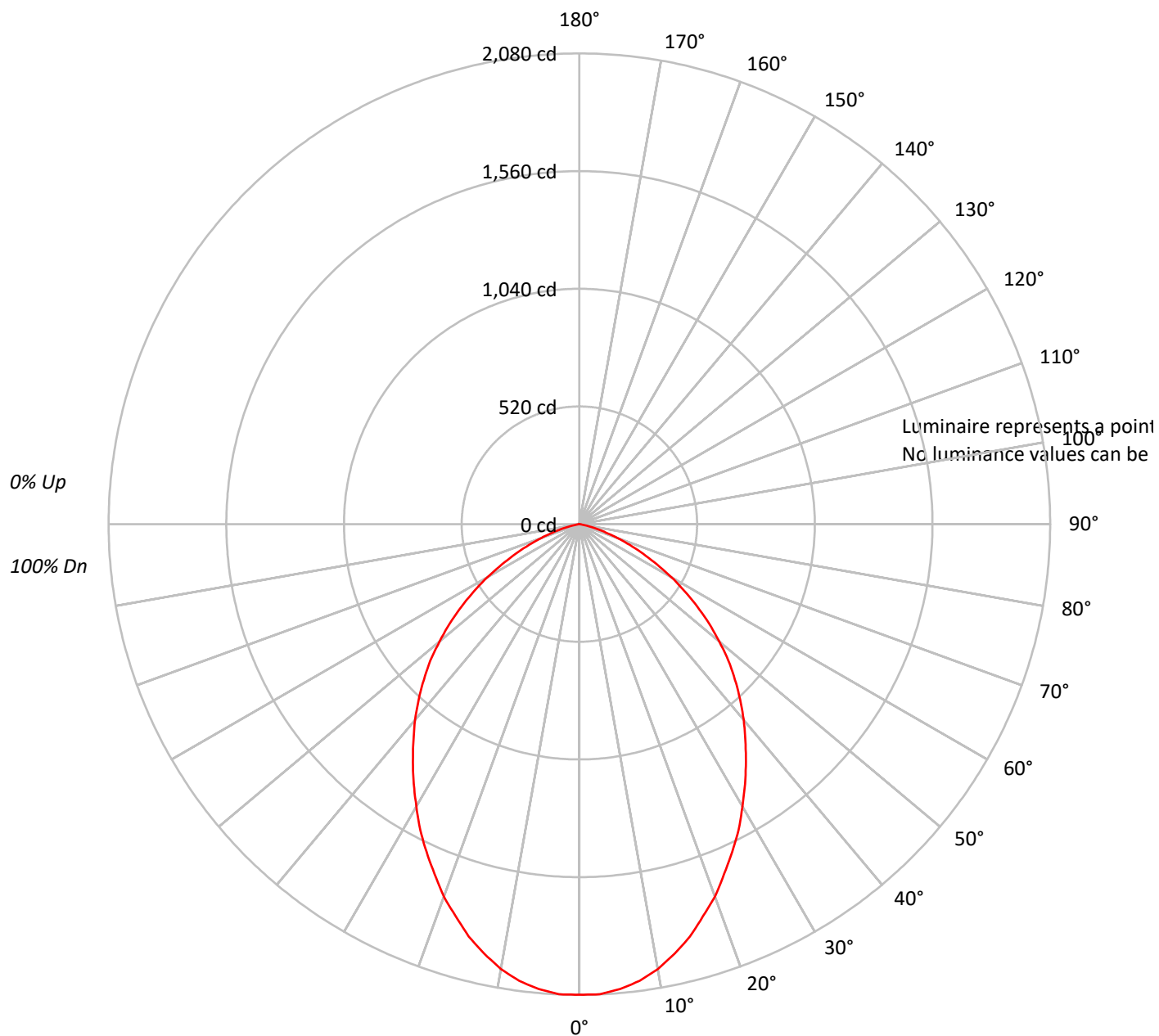
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	101		108	105	102	99		101	98	96		97	95	93		93	92	90
2	102	96	90	85		100	94	88	84		90	86	82		87	83	80		84	81	79
3	95	85	78	73		92	84	77	72		81	75	71		78	74	70		76	72	69
4	87	77	69	63		85	75	68	63		73	67	62		71	65	61		69	64	60
5	81	69	61	55		79	68	61	55		66	60	55		64	59	54		63	58	53
6	75	63	55	49		73	62	54	49		60	54	49		59	53	48		57	52	48
7	70	58	50	44		68	57	49	44		55	49	44		54	48	43		53	47	43
8	65	53	45	40		64	52	45	40		51	44	39		50	44	39		49	43	39
9	61	49	41	36		60	48	41	36		47	40	36		46	40	36		45	40	35
10	58	45	38	33		56	45	38	33		44	37	33		43	37	33		42	37	33

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.8	4.9
10°-20°	529.4	13.3
20°-30°	735.2	18.5
30°-40°	802.3	20.2
40°-50°	748.4	18.8
50°-60°	568.1	14.3
60°-70°	311.0	7.8
70°-80°	85.6	2.2
80°-90°	1.2	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°	1459.4	36.7
0°-40°	2261.7	56.9
0°-60°	3578.2	90.0
0°-90°	3976.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3976.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2080	
5°	2062	195
15°	1887	529
25°	1598	735
35°	1283	802
45°	972	748
55°	635	568
65°	311	311
75°	74	86
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2079.5
2.5°	2079.5
5°	2061.9
7.5°	2035.7
10°	1996.3
12.5°	1943.7
15°	1886.8
17.5°	1816.8
20°	1751.1
22.5°	1672.3
25°	1597.9
27.5°	1523.5
30°	1440.3
32.5°	1361.5
35°	1282.7
37.5°	1203.9
40°	1129.5
42.5°	1050.7
45°	971.9
47.5°	893.1
50°	805.5
52.5°	722.3
55°	634.8
57.5°	551.6
60°	468.4
62.5°	385.2
65°	310.8
67.5°	240.8
70°	179.5
72.5°	122.6
75°	74.4
77.5°	35.0
80°	8.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)