

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: P203078

Luminaire Tested: **LD6B50D010TE EU6B30509050 6LBWB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203078
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 EU6B30509050 6LBWB1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE 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: 2620.4 lumens
Efficiency: N/A
Efficacy: 44.6 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

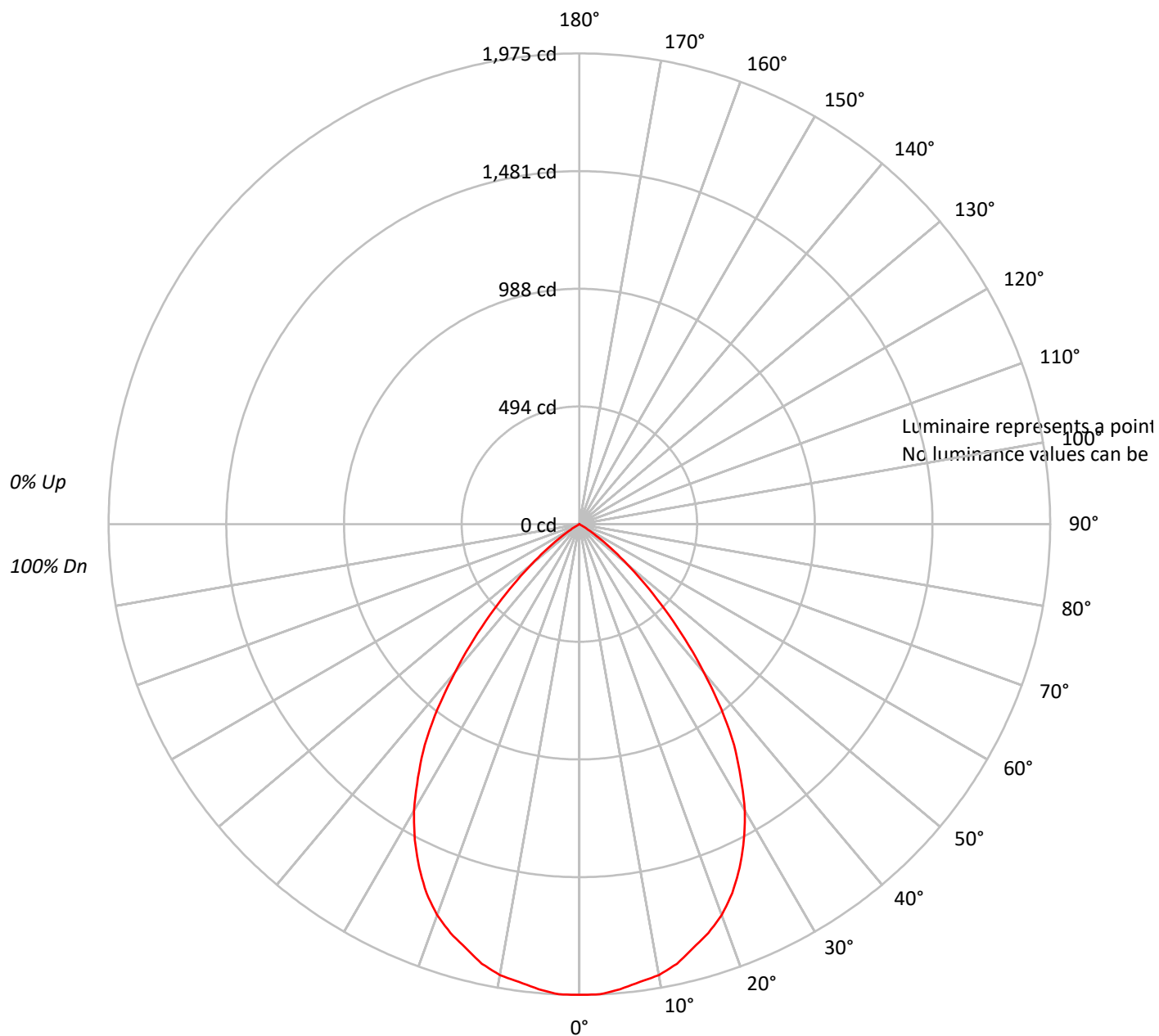
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	113	110	107	105	110	108	105	103		104	102	100			100	98	97			96
2	106	101	97	93	104	99	95	92		96	93	90			93	90	88			90
3	100	93	87	83	98	92	86	82		89	85	81			86	83	80			84
4	94	86	79	75	92	85	79	74		82	77	73			80	76	73			78
5	89	79	73	68	87	78	72	67		76	71	67			75	70	66			73
6	83	73	67	62	82	72	66	61		71	65	61			69	64	61			68
7	78	68	61	56	77	67	61	56		66	60	56			65	60	56			63
8	74	63	57	52	73	63	56	52		61	56	52			60	55	51			59
9	70	59	52	48	69	58	52	48		57	52	48			57	51	47			56
10	66	55	49	44	65	55	49	44		54	48	44			53	48	44			52

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.7	7.1
10°-20°	519.2	19.8
20°-30°	727.3	27.8
30°-40°	694.6	26.5
40°-50°	395.6	15.1
50°-60°	96.6	3.7
60°-70°	1.3	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1432.3	54.7
0°-40°	2126.9	81.2
0°-60°	2619.1	100.0
0°-90°	2620.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2620.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1975	
5°	1959	186
15°	1842	519
25°	1591	727
35°	1132	695
45°	507	396
55°	96	97
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1974.9
2.5°	1974.9
5°	1958.9
7.5°	1937.6
10°	1921.5
12.5°	1889.5
15°	1841.5
17.5°	1798.8
20°	1745.4
22.5°	1676.0
25°	1590.6
27.5°	1494.5
30°	1387.8
32.5°	1259.7
35°	1131.6
37.5°	976.8
40°	811.3
42.5°	656.5
45°	507.1
47.5°	373.6
50°	261.5
52.5°	165.5
55°	96.1
57.5°	42.7
60°	10.7
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)