

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: P203171

Luminaire Tested: **LD6B50D010TE EU6B30508027 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203171
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 EU6B30508027 6LBWMW1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE 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: 4832.7 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

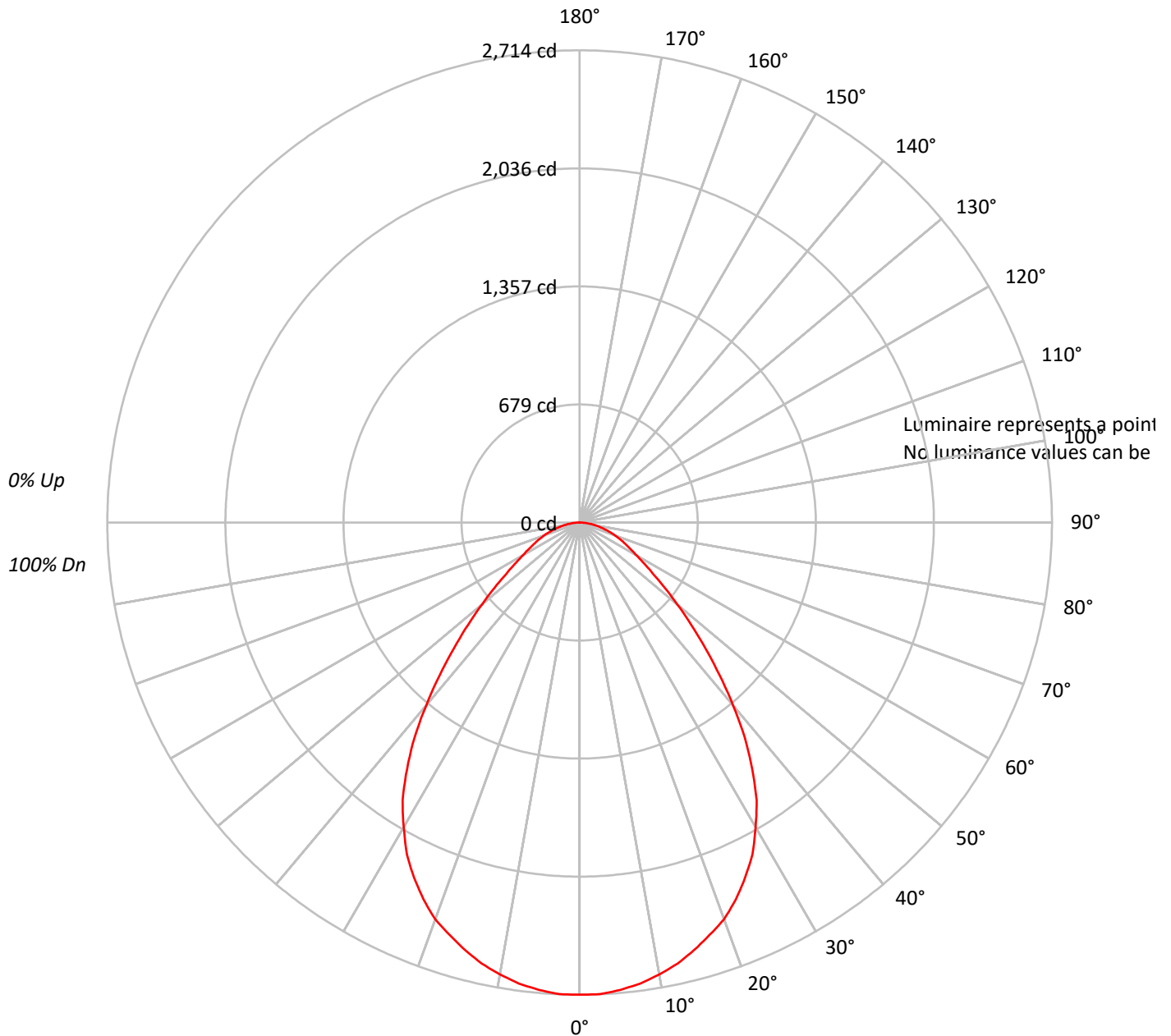
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: LD6B50D010TE EU6B30508027 6LBWMW1

Luminous Intensity Polar Plot





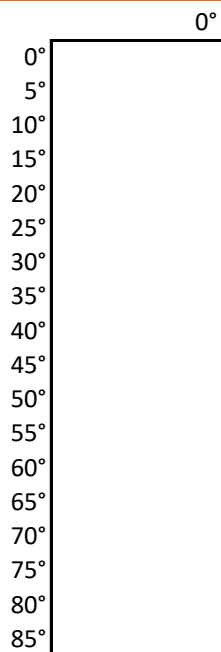
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	100		108	105	102	99		101	98	96		97	95	93		93	92	90
2	103	96	90	86		100	94	89	85		91	86	83		88	84	81		85	82	79
3	95	86	80	74		93	85	79	74		82	77	72		80	75	71		77	73	70
4	89	78	71	65		86	77	70	65		75	69	64		72	67	63		70	66	62
5	82	71	64	58		80	70	63	58		68	62	57		66	61	56		65	60	56
6	77	65	57	52		75	64	57	52		63	56	51		61	55	51		60	54	50
7	72	60	52	47		70	59	52	47		58	51	46		56	50	46		55	50	46
8	67	55	48	42		66	55	47	42		53	47	42		52	46	42		51	46	42
9	63	51	44	39		62	51	44	39		50	43	39		49	43	38		48	42	38
10	60	48	40	36		58	47	40	36		46	40	36		45	40	35		45	39	35

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.6	5.3
10°-20°	716.8	14.8
20°-30°	1032.7	21.4
30°-40°	1072.2	22.2
40°-50°	792.7	16.4
50°-60°	473.5	9.8
60°-70°	287.7	6.0
70°-80°	157.6	3.3
80°-90°	43.9	0.9
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°	2005.1	41.5
0°-40°	3077.3	63.7
0°-60°	4343.6	89.9
0°-90°	4832.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4832.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2714	
5°	2696	256
15°	2544	717
25°	2251	1033
35°	1729	1072
45°	1020	793
55°	516	474
65°	287	288
75°	146	158
85°	35	44
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2713.9
2.5°	2713.9
5°	2696.3
7.5°	2672.9
10°	2637.7
12.5°	2596.7
15°	2543.9
17.5°	2485.3
20°	2426.7
22.5°	2344.6
25°	2250.9
27.5°	2151.2
30°	2022.2
32.5°	1893.3
35°	1729.2
37.5°	1559.2
40°	1371.6
42.5°	1189.9
45°	1019.9
47.5°	867.5
50°	732.7
52.5°	615.5
55°	515.8
57.5°	439.6
60°	375.1
62.5°	328.2
65°	287.2
67.5°	252.0
70°	216.9
72.5°	181.7
75°	146.5
77.5°	117.2
80°	87.9
82.5°	64.5
85°	35.2
87.5°	17.6
90°	0.0



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— 0°-180°







(END OF REPORT)