

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: P203280

Luminaire Tested: **LD6B50D010TE EU6B30509027 6LBMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203280
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 EU6B30509027 6LBMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM 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: 3209.1 lumens
Efficiency: N/A
Efficacy: 54.6 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

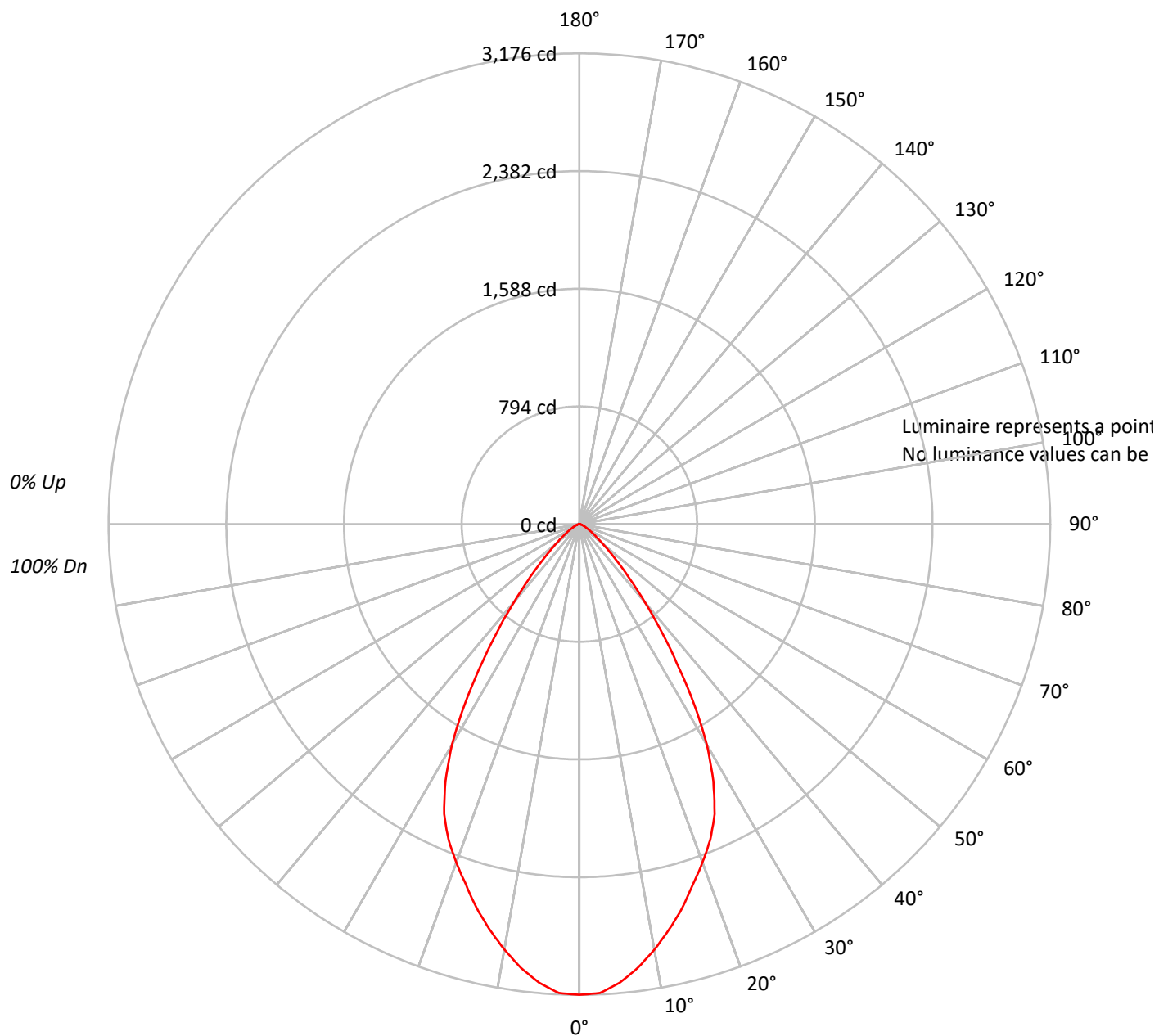
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





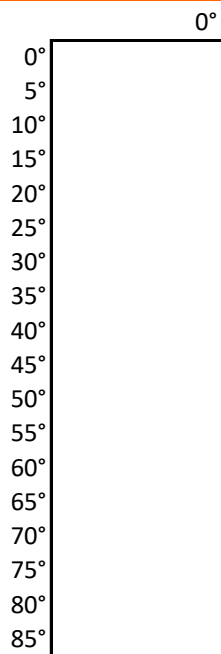
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	93	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	84	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	78	74		80
5	90	81	75	70	88	80	74	70	78	73	69		76	72	68		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	76	66	60	55	75	65	59	55	64	59	55		63	58	55		62
9	72	62	56	51	71	61	55	51	60	55	51		60	55	51		59
10	69	58	52	48	68	58	52	48	57	52	48		56	51	48		55

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.4	9.0
10°-20°	751.2	23.4
20°-30°	973.4	30.3
30°-40°	722.6	22.5
40°-50°	305.1	9.5
50°-60°	108.3	3.4
60°-70°	41.8	1.3
70°-80°	14.5	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°	2014.9	62.8
0°-40°	2737.6	85.3
0°-60°	3151.0	98.2
0°-90°	3209.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3209.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3176	
5°	3107	290
15°	2681	751
25°	2158	973
35°	1146	723
45°	376	305
55°	115	108
65°	41	42
75°	14	14
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3175.8
2.5°	3166.7
5°	3107.1
7.5°	3020.0
10°	2914.6
12.5°	2800.0
15°	2680.9
17.5°	2548.0
20°	2428.8
22.5°	2305.1
25°	2158.5
27.5°	1956.8
30°	1718.5
32.5°	1439.0
35°	1145.7
37.5°	898.2
40°	682.8
42.5°	508.7
45°	375.8
47.5°	275.0
50°	201.6
52.5°	151.2
55°	114.6
57.5°	87.1
60°	68.7
62.5°	50.4
65°	41.2
67.5°	32.1
70°	22.9
72.5°	18.3
75°	13.7
77.5°	9.2
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)