

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: P202878

Luminaire Tested: **LD6B60D010TE EU6B60708040 6LBWWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202878
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: LD6B60D010TE EU6B60708040 6LBWWH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH WHEAT TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5655.7 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

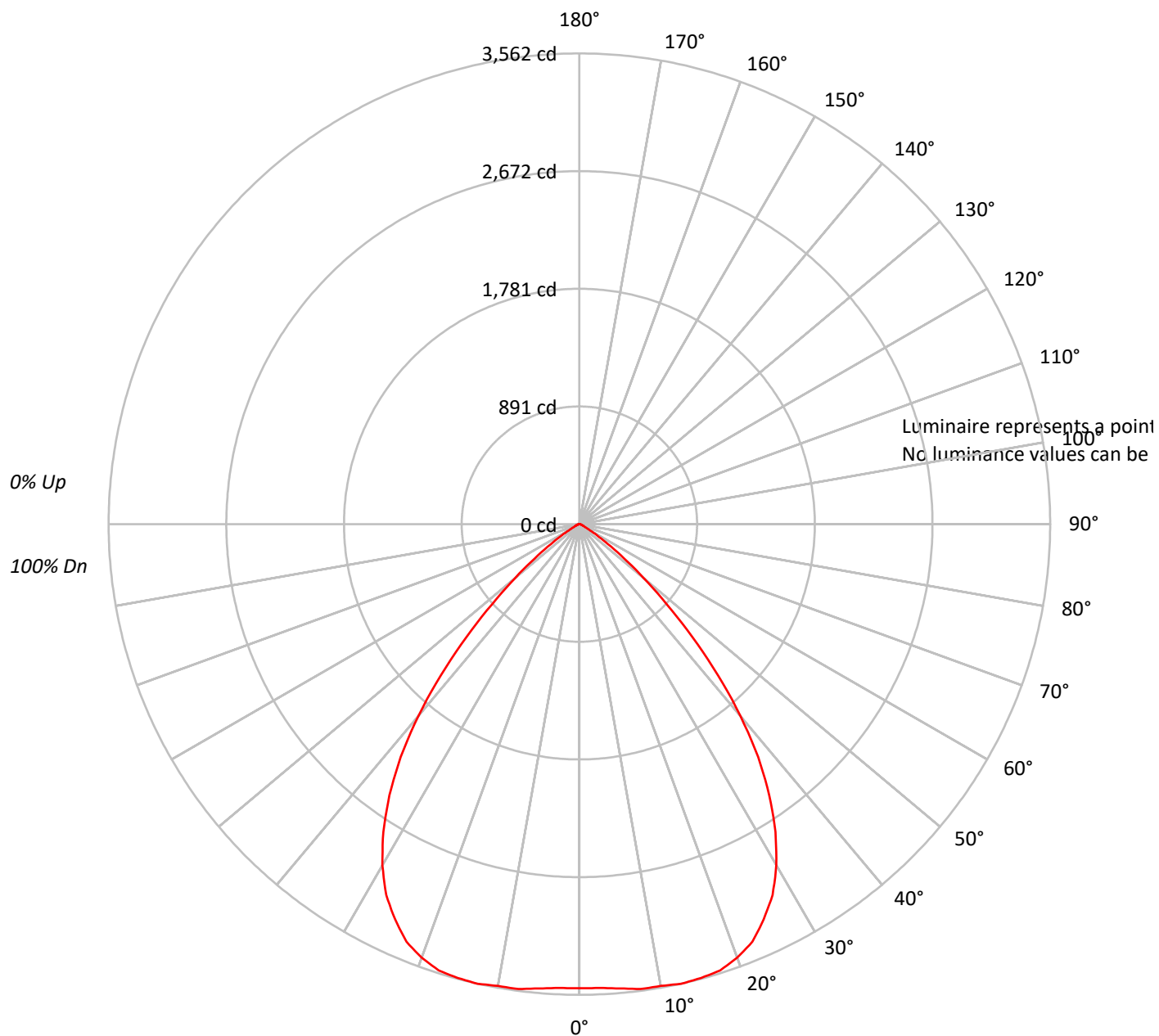
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot

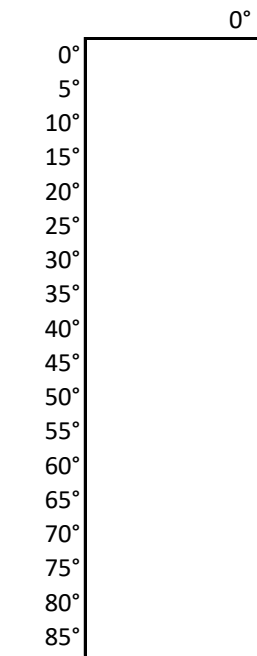


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					0	
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		0			
RCR																						
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102	100
1	113	109	107	104		110	107	105	102		103	101	99		99	98	96		96	95	93	92
2	106	100	96	92		104	98	94	91		95	92	89		92	89	87		89	87	85	83
3	99	92	86	81		97	90	85	81		88	83	79		85	81	78		83	80	77	75
4	93	84	78	73		91	83	77	72		81	76	71		79	74	71		77	73	70	68
5	87	77	71	66		85	76	70	65		75	69	65		73	68	64		71	67	63	62
6	82	71	64	59		80	71	64	59		69	63	59		67	62	58		66	61	58	56
7	77	66	59	54		75	65	59	54		64	58	54		63	57	53		61	57	53	51
8	72	61	54	49		71	61	54	49		59	53	49		58	53	49		57	52	49	47
9	68	57	50	45		67	56	50	45		55	49	45		54	49	45		53	48	45	43
10	64	53	46	42		63	53	46	42		52	46	42		51	45	42		50	45	41	40

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.7	6.0
10°-20°	1004.1	17.8
20°-30°	1511.5	26.7
30°-40°	1545.4	27.3
40°-50°	938.6	16.6
50°-60°	264.3	4.7
60°-70°	40.2	0.7
70°-80°	13.1	0.2
80°-90°	1.0	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°	2853.2	50.4
0°-40°	4398.6	77.8
0°-60°	5601.5	99.0
0°-90°	5655.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5655.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3513	
5°	3527	338
15°	3555	1004
25°	3300	1511
35°	2505	1545
45°	1206	939
55°	263	264
65°	36	40
75°	14	13
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3512.8
2.5°	3512.8
5°	3527.0
7.5°	3548.3
10°	3548.3
12.5°	3562.5
15°	3555.4
17.5°	3541.2
20°	3491.5
22.5°	3420.5
25°	3299.9
27.5°	3165.1
30°	2980.5
32.5°	2760.6
35°	2505.1
37.5°	2221.2
40°	1894.8
42.5°	1554.1
45°	1206.4
47.5°	894.2
50°	631.6
52.5°	425.8
55°	262.6
57.5°	156.1
60°	78.1
62.5°	49.7
65°	35.5
67.5°	28.4
70°	21.3
72.5°	14.2
75°	14.2
77.5°	7.1
80°	7.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)