

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: P202988

Luminaire Tested: **LD6B60D010TE EU6B60709050 6LBWGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202988
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 EU6B60709050 6LBWGPH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTIONWITH GRAPHITE HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3464.5 lumens
Efficiency: N/A
Efficacy: 55.4 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

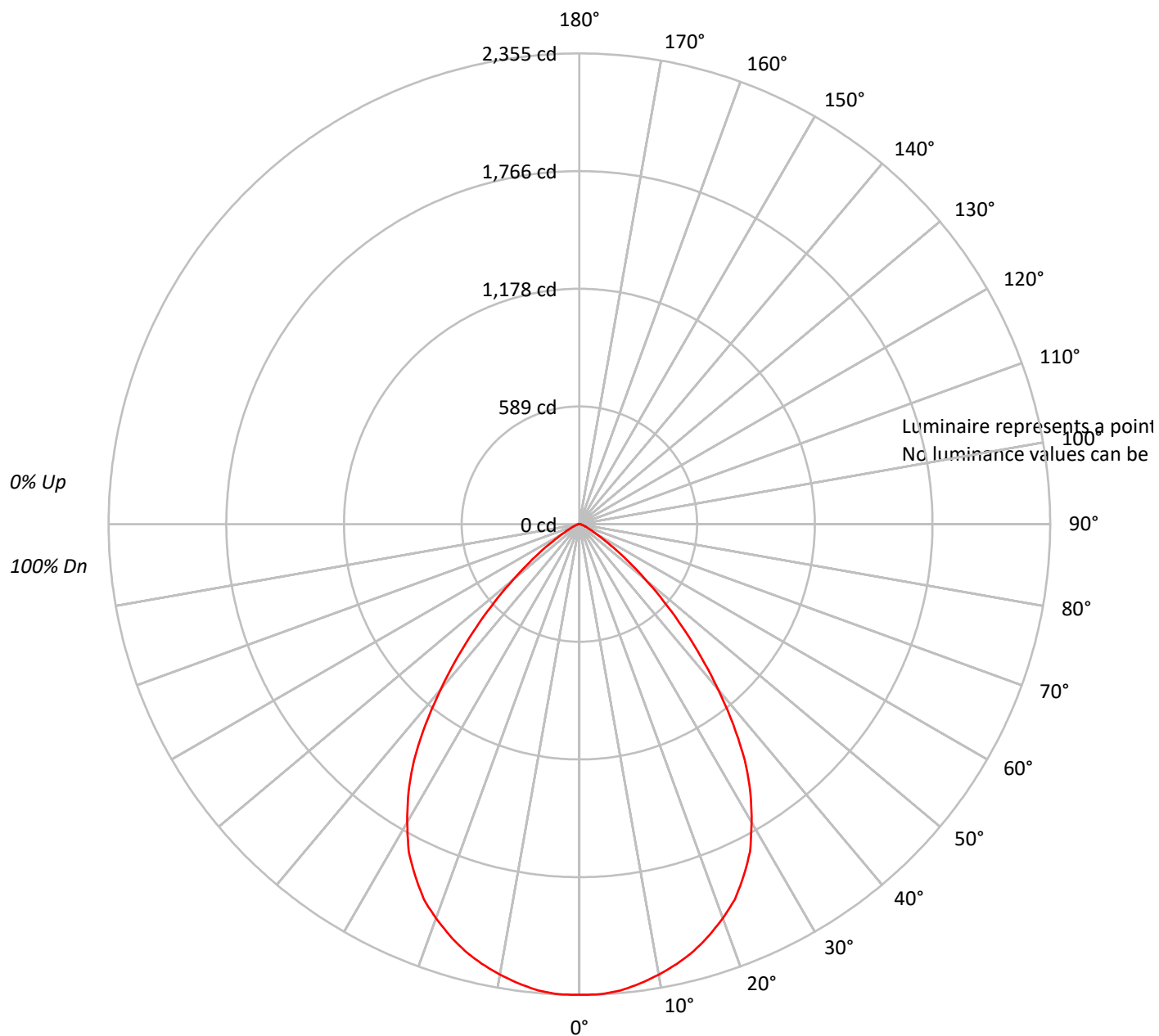
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot

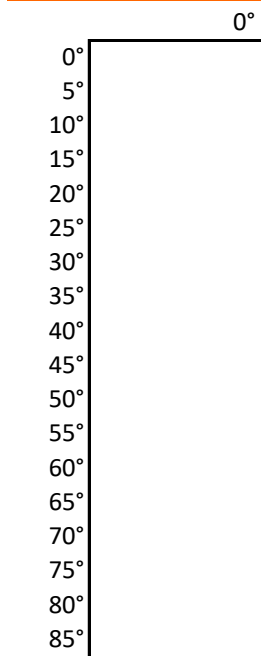


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74		
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	59	80	70	63	59	68	62	58	67	62	58	65	61	57	56		
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51		
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	47		
9	68	57	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44	43		
10	64	53	46	42	63	52	46	42	51	45	41	51	45	41	50	45	41	40		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.8	6.4
10°-20°	622.0	18.0
20°-30°	890.0	25.7
30°-40°	887.1	25.6
40°-50°	565.0	16.3
50°-60°	208.3	6.0
60°-70°	52.1	1.5
70°-80°	15.7	0.5
80°-90°	2.4	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°	1733.8	50.0
0°-40°	2620.9	75.7
0°-60°	3394.3	98.0
0°-90°	3464.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3464.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2355	
5°	2343	222
15°	2212	622
25°	1943	890
35°	1443	887
45°	727	565
55°	221	208
65°	48	52
75°	12	16
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2354.6
2.5°	2354.6
5°	2342.7
7.5°	2318.9
10°	2289.1
12.5°	2253.3
15°	2211.6
17.5°	2157.9
20°	2098.3
22.5°	2032.7
25°	1943.3
27.5°	1847.9
30°	1722.8
32.5°	1591.6
35°	1442.6
37.5°	1263.8
40°	1079.0
42.5°	900.1
45°	727.3
47.5°	572.3
50°	429.2
52.5°	315.9
55°	220.6
57.5°	143.1
60°	95.4
62.5°	65.6
65°	47.7
67.5°	35.8
70°	29.8
72.5°	17.9
75°	11.9
77.5°	11.9
80°	6.0
82.5°	6.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)