

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: P202936

Luminaire Tested: **LD6B20D010 EU6B10209050 6LBWGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202936
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: LD6B20D010 EU6B10209050 6LBWGPH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH GRAPHITE HAZE TRIM
WATTAGE D010TR-21.86 W DE010-20.46 W D5LT-21.24 W DMX-20.89 W DL2-22.5 W
DL3-21.8 6 W DLE-22.46 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1182.3 lumens
Efficiency: N/A
Efficacy: 56.8 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

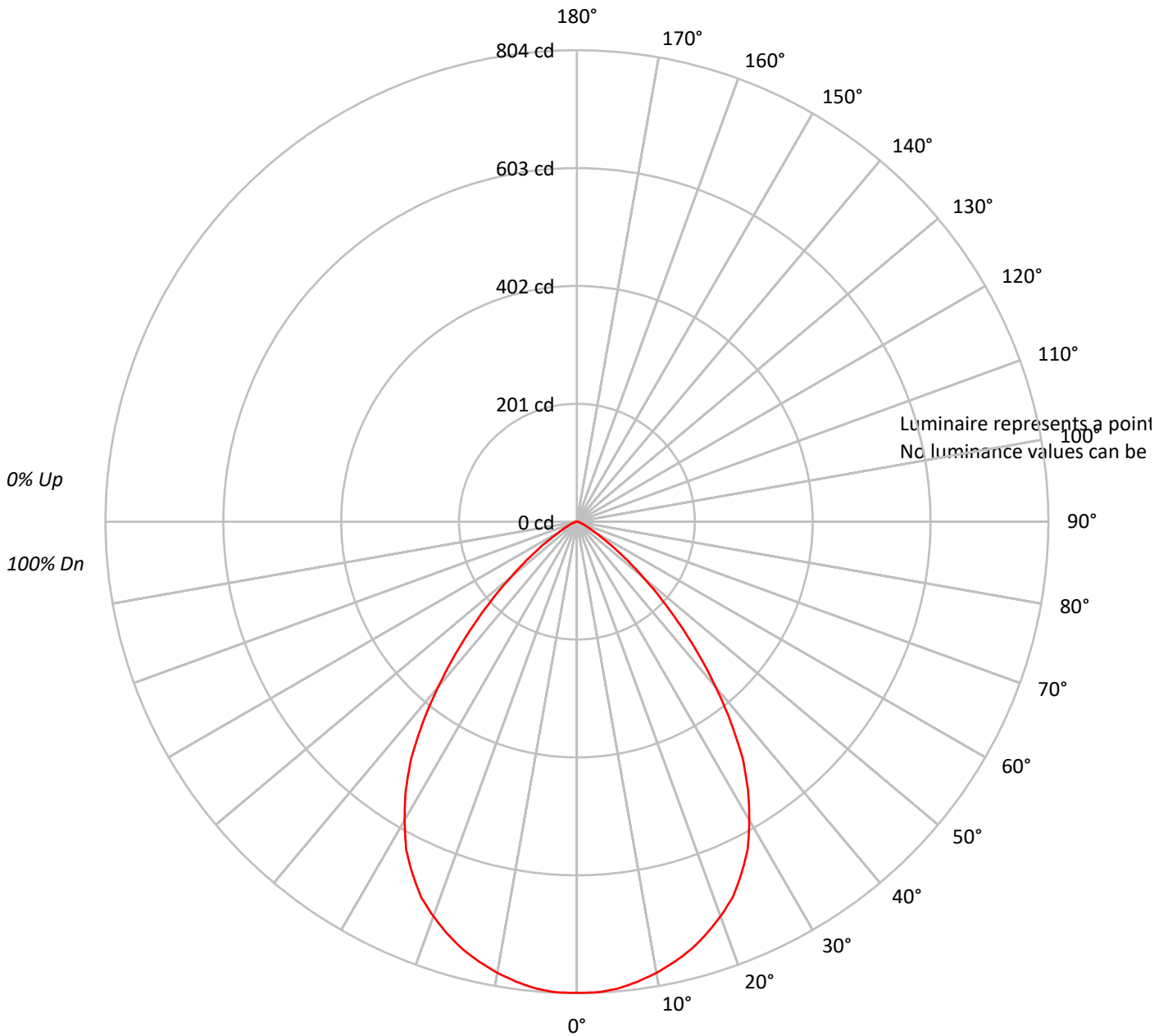
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





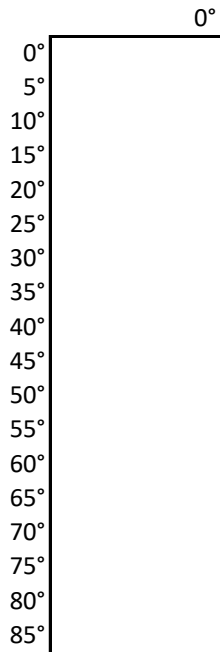
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	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	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°	75.7	6.4
10°-20°	212.3	18.0
20°-30°	303.7	25.7
30°-40°	302.7	25.6
40°-50°	192.8	16.3
50°-60°	71.1	6.0
60°-70°	17.8	1.5
70°-80°	5.4	0.5
80°-90°	0.8	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°	591.7	50.0
0°-40°	894.4	75.7
0°-60°	1158.3	98.0
0°-90°	1182.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1182.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	804	
5°	800	76
15°	755	212
25°	663	304
35°	492	303
45°	248	193
55°	75	71
65°	16	18
75°	4	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	803.5
2.5°	803.5
5°	799.5
7.5°	791.3
10°	781.2
12.5°	768.9
15°	754.7
17.5°	736.4
20°	716.1
22.5°	693.7
25°	663.2
27.5°	630.6
30°	587.9
32.5°	543.1
35°	492.3
37.5°	431.3
40°	368.2
42.5°	307.2
45°	248.2
47.5°	195.3
50°	146.5
52.5°	107.8
55°	75.3
57.5°	48.8
60°	32.5
62.5°	22.4
65°	16.3
67.5°	12.2
70°	10.2
72.5°	6.1
75°	4.1
77.5°	4.1
80°	2.0
82.5°	2.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)