

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: P203142

Luminaire Tested: **LD6B20D010 EU6B10209050 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203142
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 6LBWMW1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH MATTE WHITE 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: 1678.8 lumens
Efficiency: N/A
Efficacy: 80.7 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

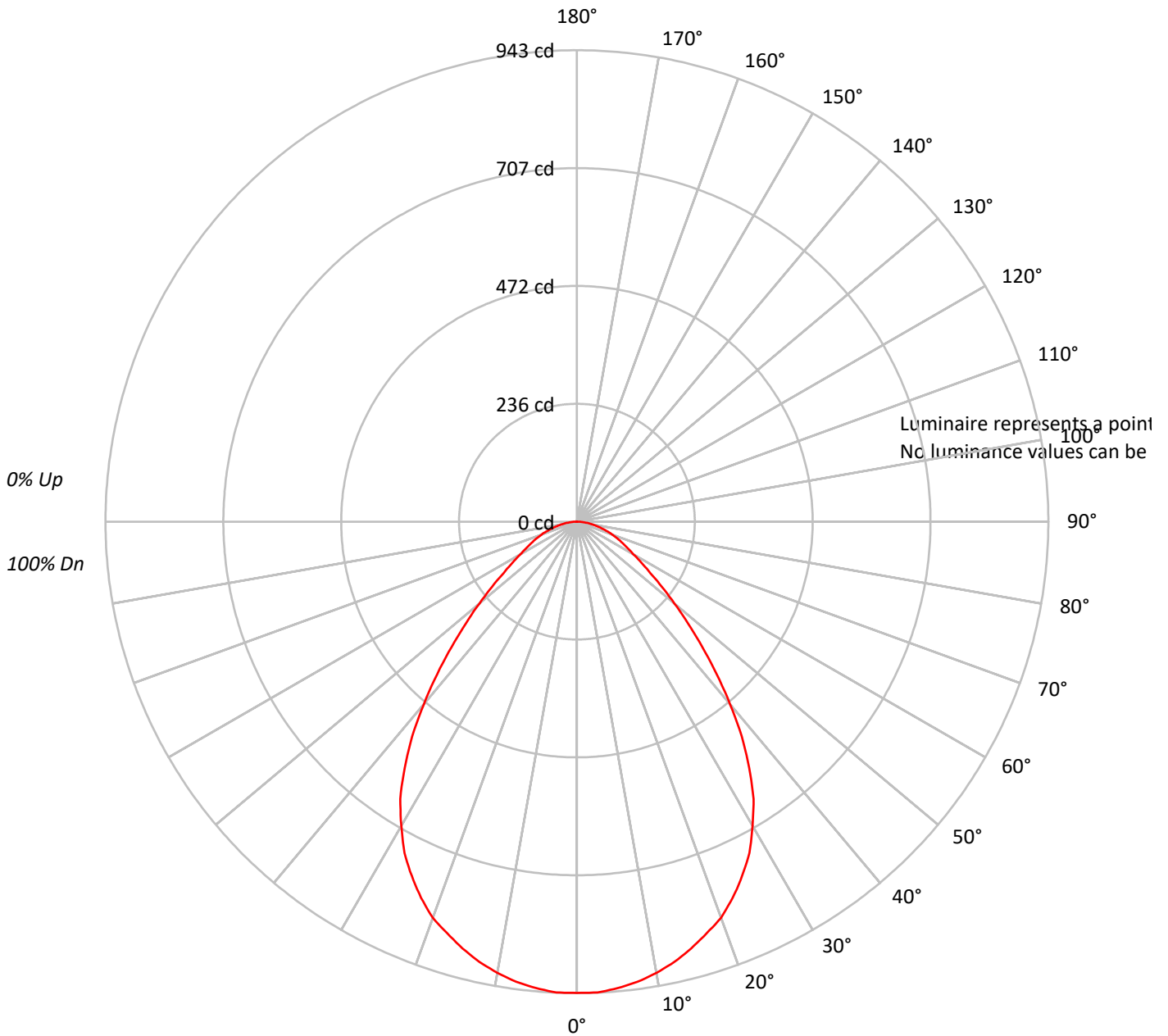
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	77	77	77
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68	68
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60	60	60	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54	54	54	54
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49	49	49	49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44	44	44	44
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40	40	40	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37	37	37	37
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34	34	34	34

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	5.3
10°-20°	249.0	14.8
20°-30°	358.8	21.4
30°-40°	372.5	22.2
40°-50°	275.4	16.4
50°-60°	164.5	9.8
60°-70°	100.0	6.0
70°-80°	54.7	3.3
80°-90°	15.2	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°	696.5	41.5
0°-40°	1069.0	63.7
0°-60°	1508.8	89.9
0°-90°	1678.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1678.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	943	
5°	937	89
15°	884	249
25°	782	359
35°	601	372
45°	354	275
55°	179	164
65°	100	100
75°	51	55
85°	12	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	942.7
2.5°	942.7
5°	936.6
7.5°	928.5
10°	916.3
12.5°	902.0
15°	883.7
17.5°	863.3
20°	843.0
22.5°	814.5
25°	781.9
27.5°	747.3
30°	702.5
32.5°	657.7
35°	600.7
37.5°	541.6
40°	476.5
42.5°	413.3
45°	354.3
47.5°	301.3
50°	254.5
52.5°	213.8
55°	179.2
57.5°	152.7
60°	130.3
62.5°	114.0
65°	99.8
67.5°	87.6
70°	75.3
72.5°	63.1
75°	50.9
77.5°	40.7
80°	30.5
82.5°	22.4
85°	12.2
87.5°	6.1
90°	0.0



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— 0°-180°







(END OF REPORT)