

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: P204059

Luminaire Tested: **LD6B20D010 EU6B10208027 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204059
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 EU6B10208027 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW 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: 1407.4 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

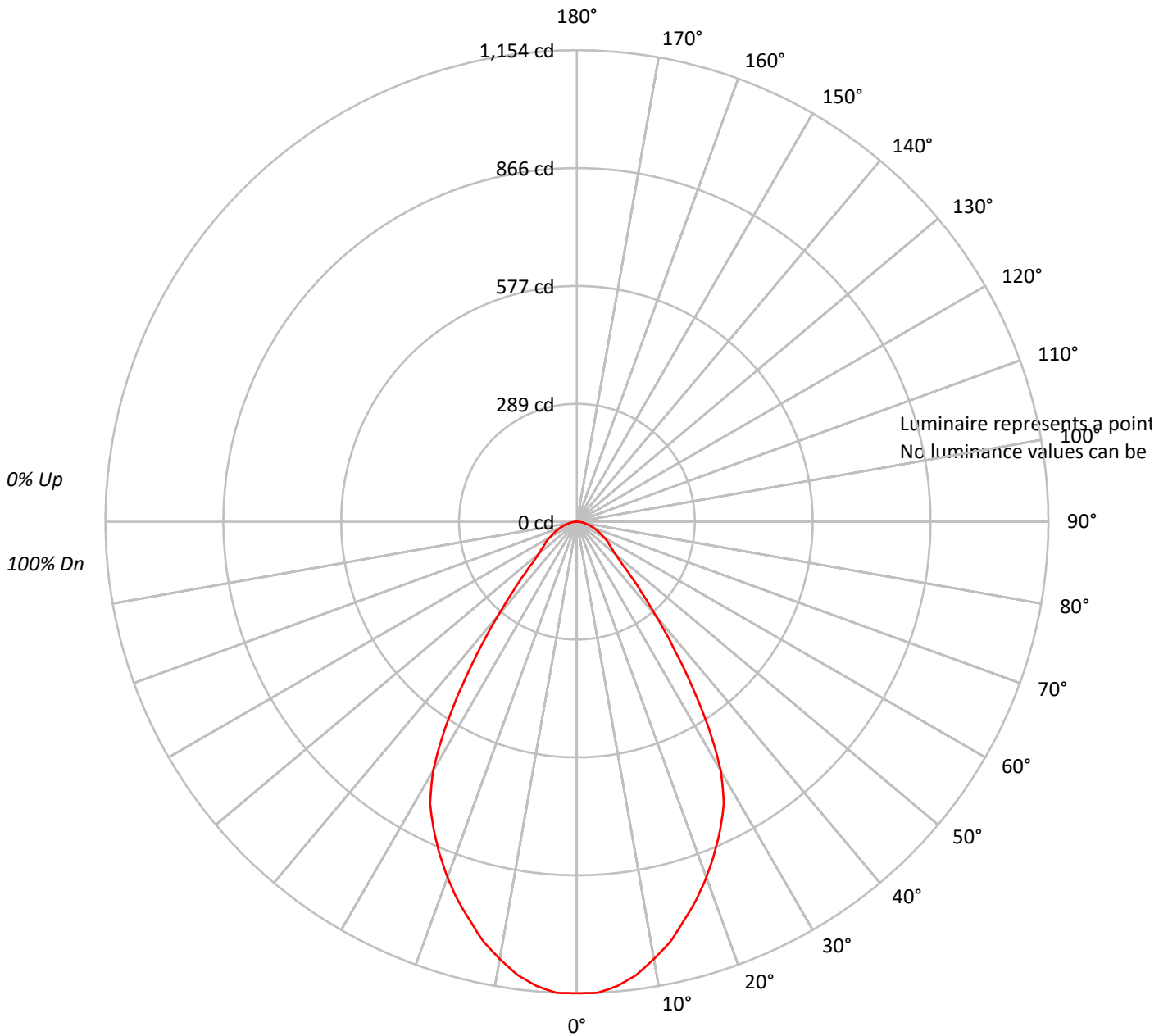
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90			
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81			
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73			
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66			
5	87	77	70	64	85	76	69	64	74	68	64	72	67	63	70	66	62	61			
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56			
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51			
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47			
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44			
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	7.6
10°-20°	284.1	20.2
20°-30°	379.3	26.9
30°-40°	306.0	21.7
40°-50°	146.7	10.4
50°-60°	86.9	6.2
60°-70°	57.8	4.1
70°-80°	31.0	2.2
80°-90°	8.5	0.6
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°	770.6	54.8
0°-40°	1076.6	76.5
0°-60°	1310.2	93.1
0°-90°	1407.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1407.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1154	
5°	1141	107
15°	1011	284
25°	830	379
35°	490	306
45°	181	147
55°	96	87
65°	58	58
75°	29	31
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1154.3
2.5°	1154.3
5°	1140.8
7.5°	1118.5
10°	1087.1
12.5°	1053.6
15°	1011.1
17.5°	970.8
20°	926.1
22.5°	879.1
25°	829.9
27.5°	778.5
30°	704.6
32.5°	601.7
35°	489.9
37.5°	387.0
40°	299.7
42.5°	232.6
45°	181.2
47.5°	143.2
50°	120.8
52.5°	107.4
55°	96.2
57.5°	87.2
60°	76.1
62.5°	67.1
65°	58.2
67.5°	49.2
70°	42.5
72.5°	35.8
75°	29.1
77.5°	22.4
80°	17.9
82.5°	13.4
85°	6.7
87.5°	2.2
90°	0.0



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— 0°-180°







(END OF REPORT)