

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: P201216

Luminaire Tested: **LD6B40D010 EU6B30508035 6LBM1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P201216
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35151)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B40D010 EU6B30508035 6LBM1LI
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3831.0 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Circular (Dia: 1.12' x H: 0')
CIE Type: Direct

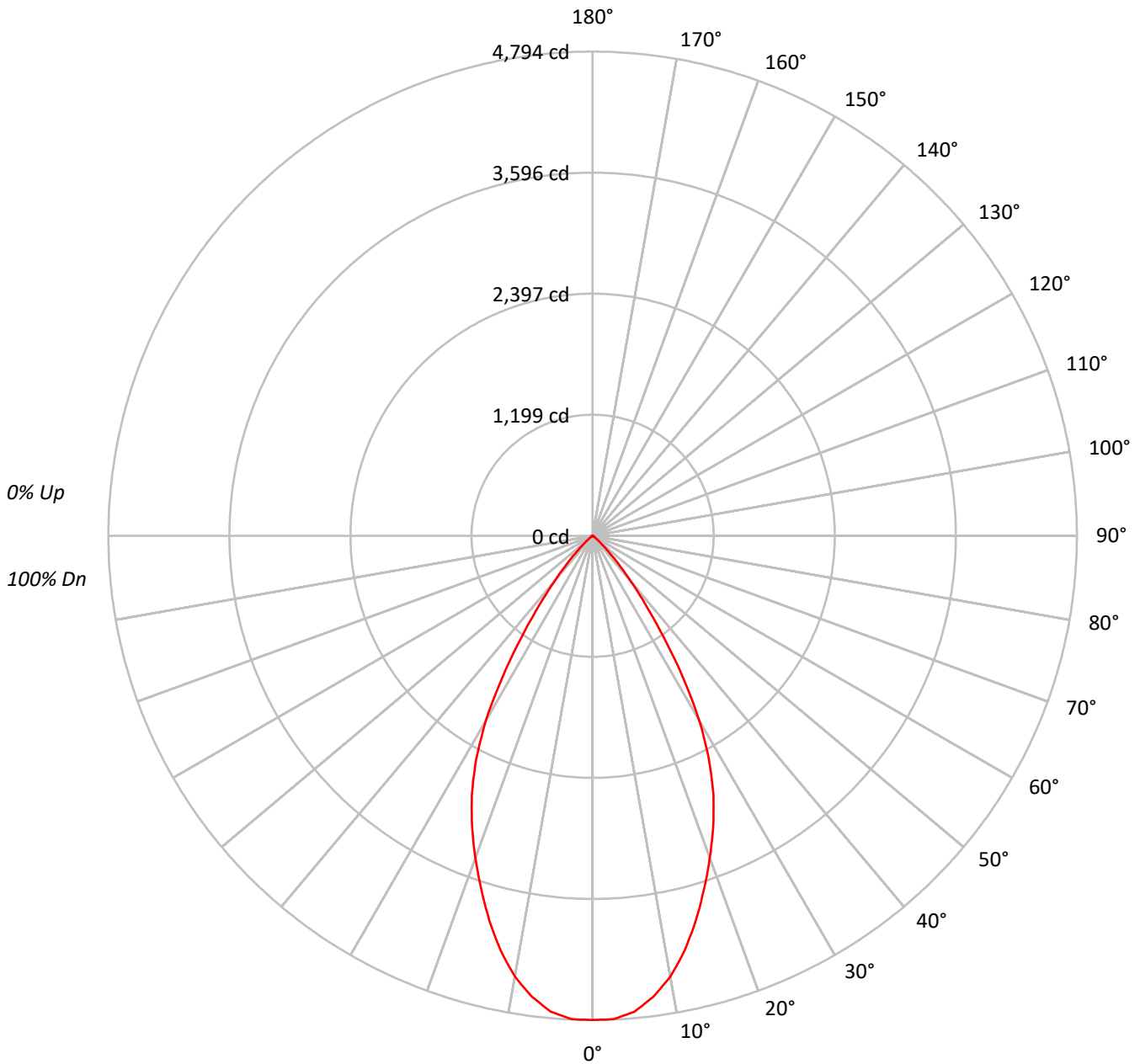
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94			
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88			
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82			
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76			
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71			
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67			
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63			
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	51917
5°	51422
10°	48729
15°	44241
20°	39092
25°	33796
30°	26418
35°	16202
40°	8316
45°	3303
50°	1073
55°	370
60°	318
65°	251
70°	155
75°	205
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	441.7	11.5
10°-20°	1099.6	28.7
20°-30°	1278.2	33.4
30°-40°	782.8	20.4
40°-50°	194.4	5.1
50°-60°	22.7	0.6
60°-70°	8.4	0.2
70°-80°	3.2	0.1
80°-90°	0.0	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°	2819.5	73.6
0°-40°	3602.2	94.0
0°-60°	3819.3	99.7
0°-90°	3831.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3831.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4794	
5°	4731	442
15°	3946	1100
25°	2829	1278
35°	1226	783
45°	216	194
55°	20	23
65°	10	8
75°	5	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4794.4
2.5°	4789.5
5°	4730.6
7.5°	4603.2
10°	4431.6
12.5°	4206.1
15°	3946.3
17.5°	3666.8
20°	3392.3
22.5°	3117.8
25°	2828.6
27.5°	2495.2
30°	2112.8
32.5°	1666.7
35°	1225.6
37.5°	862.8
40°	588.3
42.5°	367.7
45°	215.7
47.5°	122.6
50°	63.7
52.5°	29.4
55°	19.6
57.5°	14.7
60°	14.7
62.5°	9.8
65°	9.8
67.5°	4.9
70°	4.9
72.5°	4.9
75°	4.9
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)