

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: P252783

Luminaire Tested: **LD6B20D010 EU6B10209024 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-2)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B20D010 EU6B10209024 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1873.0 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

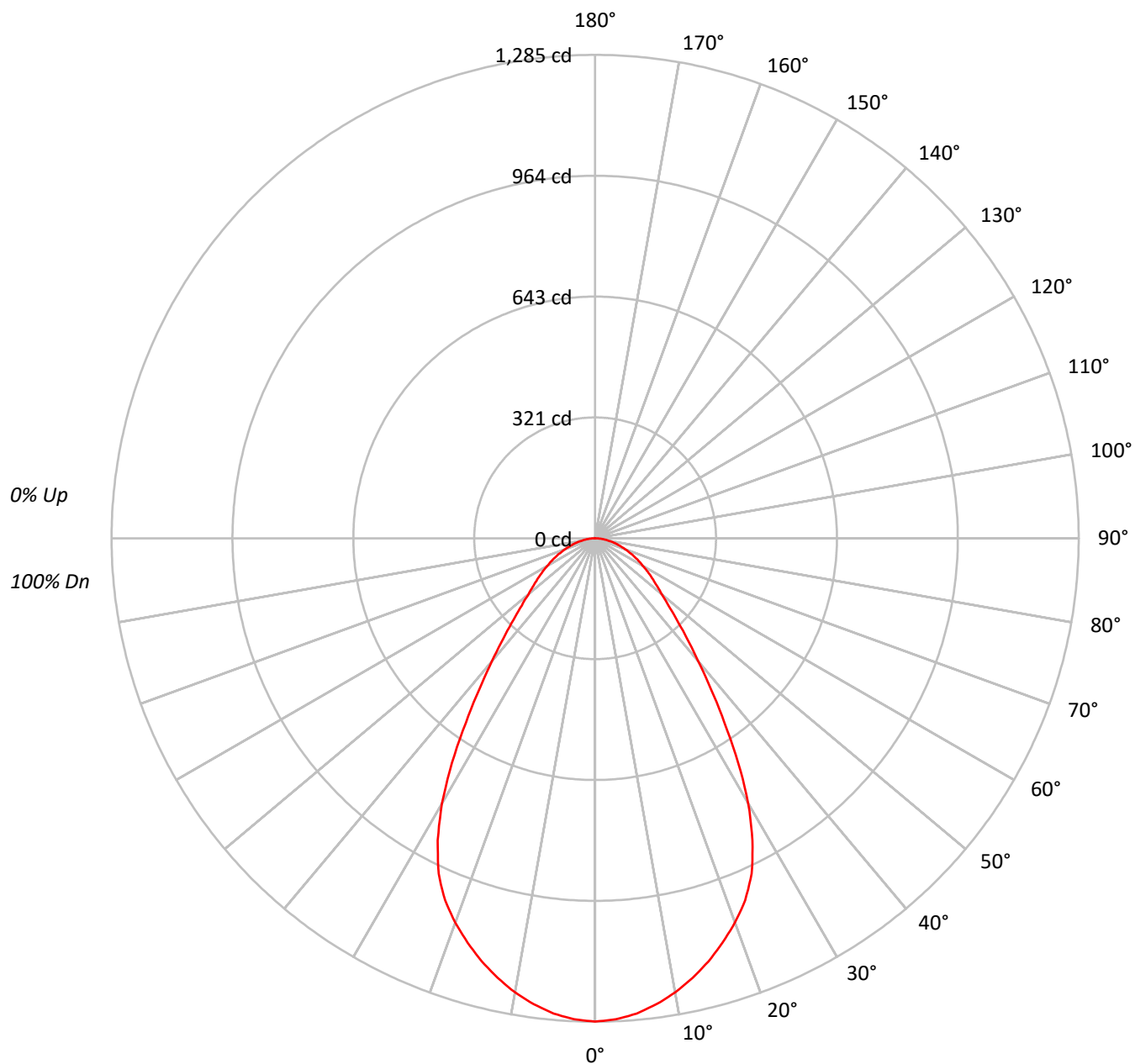
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	108	105	102	99	101	98	96		97	95	93		94
2	103	97	91	87	101	95	90	86	91	87	84		88	85	82		85
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	90	80	72	67	87	78	72	66	76	70	66		74	69	65		72
5	84	73	65	60	82	72	65	60	70	64	59		68	63	58		66
6	78	67	60	54	77	66	59	54	65	58	54		63	57	53		62
7	74	62	55	49	72	61	54	49	60	53	49		59	53	49		57
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		53
9	65	54	46	42	64	53	46	42	52	46	41		51	45	41		50
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	83815
5°	83041
10°	81212
15°	78632
20°	75461
25°	70841
30°	61299
35°	47723
40°	36272
45°	28279
50°	23456
55°	21054
60°	19168
65°	17691
70°	16252
75°	15049
80°	13601
85°	12426



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	6.4
10°-20°	327.1	17.5
20°-30°	445.5	23.8
30°-40°	377.0	20.1
40°-50°	241.8	12.9
50°-60°	166.4	8.9
60°-70°	113.7	6.1
70°-80°	63.3	3.4
80°-90°	18.5	1.0
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°	892.3	47.6
0°-40°	1269.3	67.8
0°-60°	1677.5	89.6
0°-90°	1873.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1873.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1285	
5°	1268	120
15°	1164	327
25°	984	446
35°	599	377
45°	306	242
55°	185	166
65°	115	114
75°	60	63
85°	17	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1284.7
2.5°	1279.8
5°	1268.0
7.5°	1249.4
10°	1225.9
12.5°	1196.5
15°	1164.2
17.5°	1127.0
20°	1086.9
22.5°	1041.8
25°	984.1
27.5°	905.7
30°	813.7
32.5°	707.9
35°	599.2
37.5°	504.3
40°	425.9
42.5°	360.3
45°	306.5
47.5°	264.4
50°	231.1
52.5°	205.6
55°	185.1
57.5°	165.5
60°	146.9
62.5°	130.2
65°	114.6
67.5°	98.9
70°	85.2
72.5°	71.5
75°	59.7
77.5°	48.0
80°	36.2
82.5°	26.4
85°	16.6
87.5°	6.9
90°	0.0



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— 0°-180°







(END OF REPORT)