

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: P252784

Luminaire Tested: **LD6B20D010 EU6B10209027 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252784
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 EU6B10209027 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2129.0 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

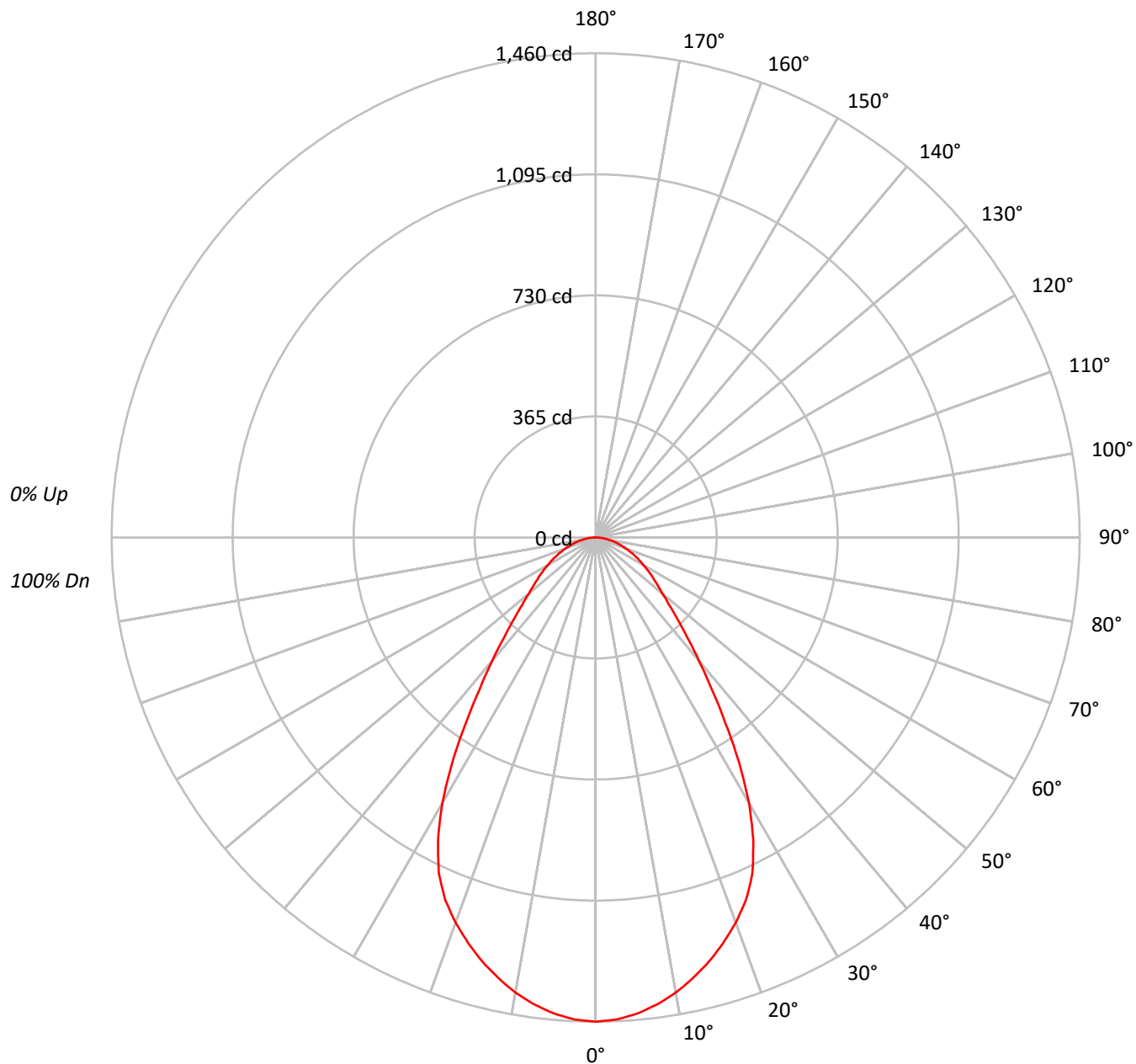
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	95264
5°	94390
10°	92315
15°	89378
20°	85771
25°	80522
30°	69676
35°	54246
40°	41229
45°	32145
50°	26663
55°	23932
60°	21777
65°	20099
70°	18465
75°	17116
80°	15479
85°	14148



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.0	6.4
10°-20°	371.8	17.5
20°-30°	506.4	23.8
30°-40°	428.5	20.1
40°-50°	274.9	12.9
50°-60°	189.2	8.9
60°-70°	129.2	6.1
70°-80°	71.9	3.4
80°-90°	21.1	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°	1014.3	47.6
0°-40°	1442.8	67.8
0°-60°	1906.8	89.6
0°-90°	2129.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2129.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1460	
5°	1441	136
15°	1323	372
25°	1119	506
35°	681	428
45°	348	275
55°	210	189
65°	130	129
75°	68	72
85°	19	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1460.2
2.5°	1454.7
5°	1441.3
7.5°	1420.2
10°	1393.5
12.5°	1360.1
15°	1323.3
17.5°	1281.0
20°	1235.4
22.5°	1184.2
25°	1118.6
27.5°	1029.5
30°	924.9
32.5°	804.7
35°	681.1
37.5°	573.2
40°	484.1
42.5°	409.6
45°	348.4
47.5°	300.5
50°	262.7
52.5°	233.7
55°	210.4
57.5°	188.1
60°	166.9
62.5°	148.0
65°	130.2
67.5°	112.4
70°	96.8
72.5°	81.2
75°	67.9
77.5°	54.5
80°	41.2
82.5°	30.1
85°	18.9
87.5°	7.8
90°	0.0



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— 0°-180°







(END OF REPORT)