

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: P133513

Luminaire Tested: **LD6A20D010TE ERN6A20930 6LN1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P133513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23397)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6A20D010TE ERN6A20930 6LN1LI
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2165.7 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.49
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

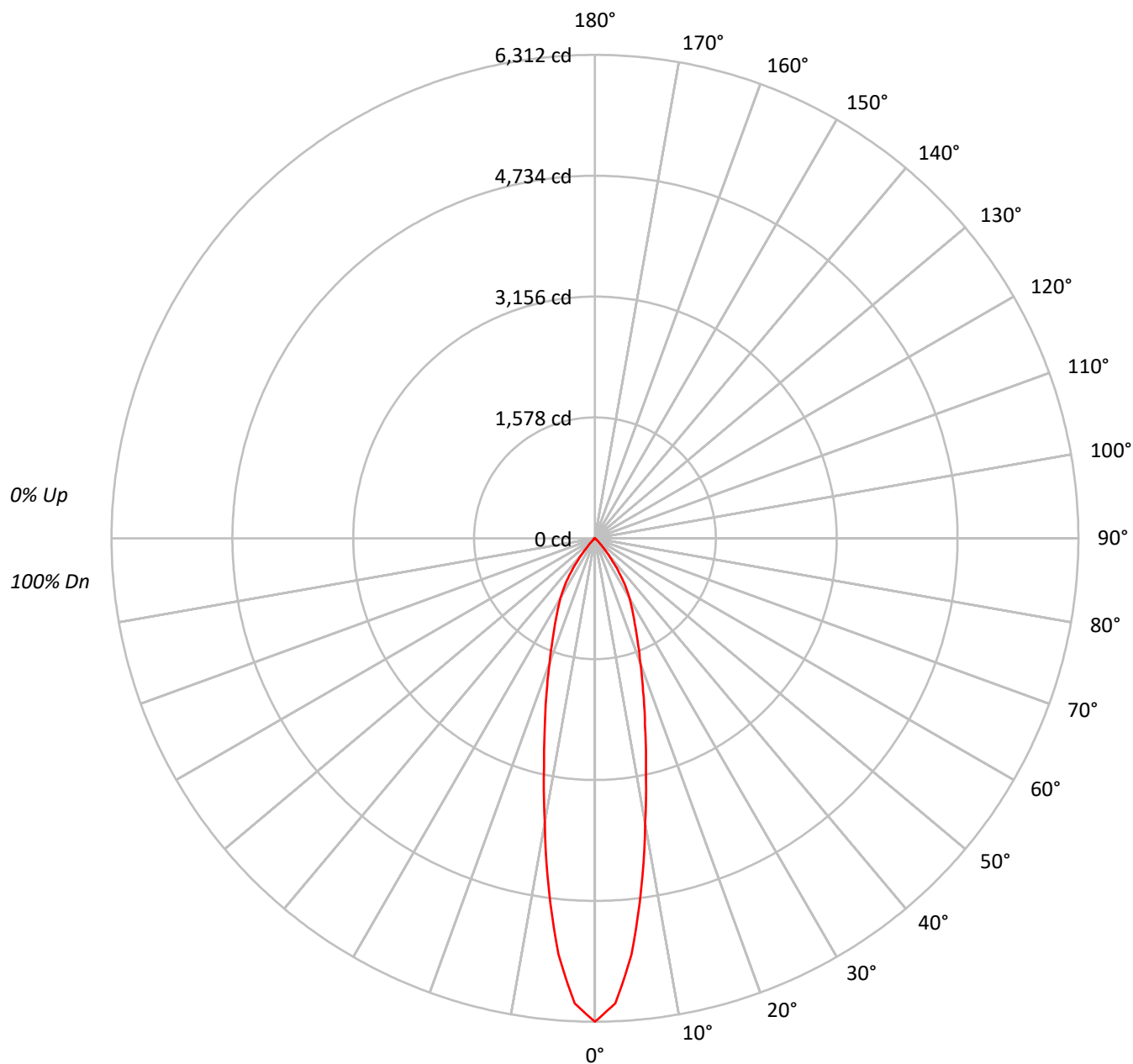
Input Watts (W): 32.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		98
2	109	105	102	99	107	103	100	97	100	98	95		97	95	93		95
3	105	99	95	91	103	98	94	91	95	92	89		93	90	88		91
4	100	94	89	85	99	93	88	85	91	87	84		89	86	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83
6	92	85	79	76	91	84	79	75	82	78	75		81	77	74		80
7	89	81	75	72	87	80	75	72	79	74	71		78	74	71		77
8	85	77	72	68	84	76	71	68	75	71	68		74	70	68		74
9	82	74	68	65	81	73	68	65	72	68	65		71	67	64		71
10	79	70	65	62	78	70	65	62	69	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	411825
5°	357450
10°	250122
15°	170415
20°	120193
25°	88520
30°	67898
35°	44425
40°	19281
45°	6163
50°	1857
55°	512
60°	391
65°	232
70°	286
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.9	21.5
10°-20°	710.6	32.8
20°-30°	573.2	26.5
30°-40°	343.1	15.8
40°-50°	65.7	3.0
50°-60°	5.3	0.2
60°-70°	1.7	0.1
70°-80°	0.2	0.0
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°	1749.7	80.8
0°-40°	2092.8	96.6
0°-60°	2163.8	99.9
0°-90°	2165.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2165.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6312	
5°	5458	466
15°	2523	711
25°	1230	573
35°	558	343
45°	67	66
55°	4	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6312.4
2.5°	6076.8
5°	5458.1
7.5°	4620.7
10°	3775.6
12.5°	3068.8
15°	2523.1
17.5°	2091.5
20°	1731.2
22.5°	1451.6
25°	1229.7
27.5°	1051.8
30°	901.3
32.5°	741.7
35°	557.8
37.5°	375.4
40°	226.4
42.5°	126.1
45°	66.8
47.5°	34.9
50°	18.3
52.5°	6.1
55°	4.5
57.5°	3.0
60°	3.0
62.5°	1.5
65°	1.5
67.5°	1.5
70°	1.5
72.5°	0.0
75°	0.0
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)