

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: P135406

Luminaire Tested: **LD6A10D010TE ERM6A10935 6LM1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P135406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23371)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6A10D010TE ERM6A10935 6LM1H
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 3500K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1006.1 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.9
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

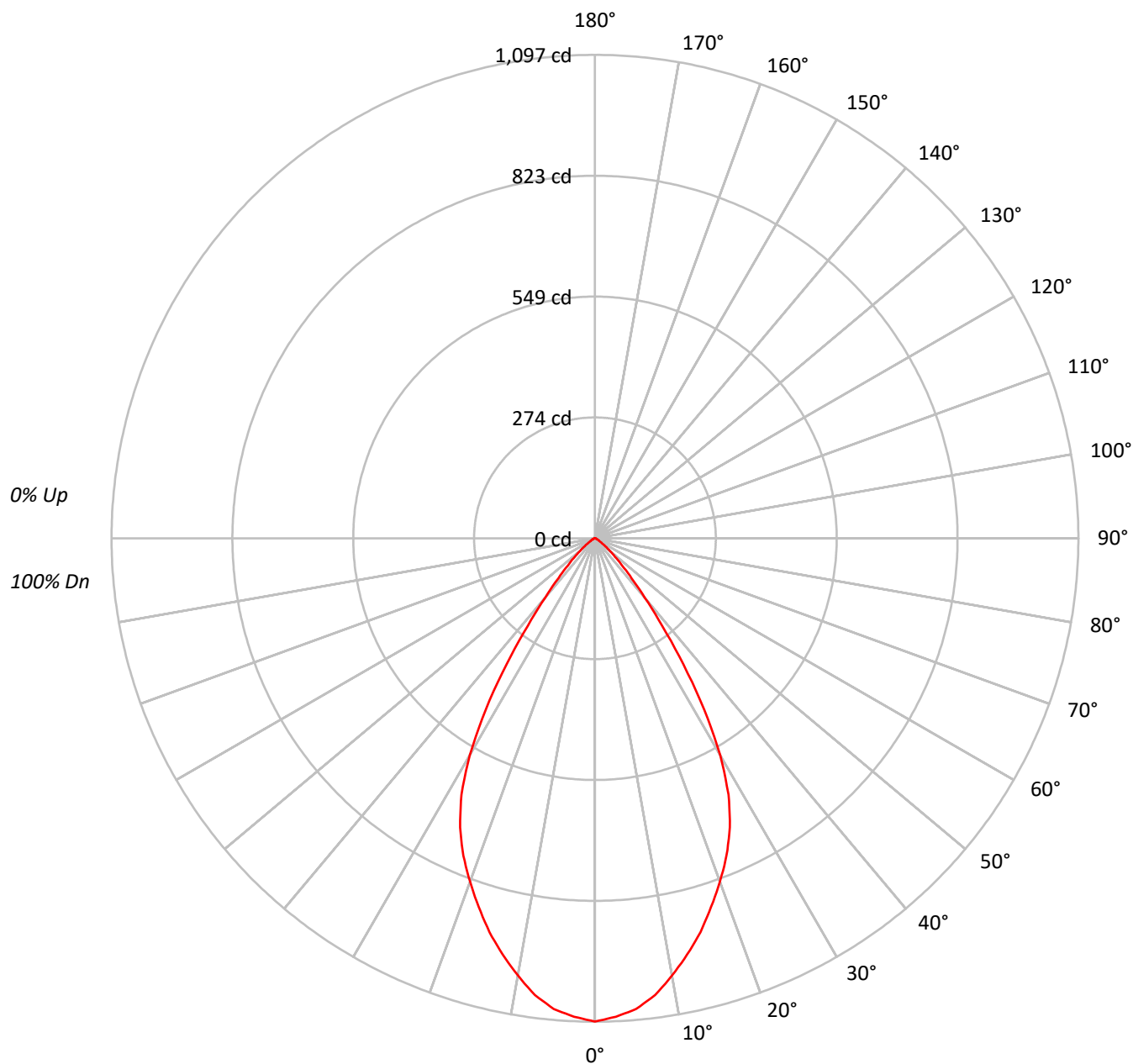
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	111	108	106		111	108	106	104		104	102	101		101	99	98		97	96	95
2	108	103	98	95		105	101	97	94		98	94	92		95	92	90		92	90	88
3	102	95	90	86		100	94	89	85		91	87	84		89	86	83		87	84	81
4	97	89	83	79		95	88	82	78		85	81	77		83	80	76		82	78	76
5	91	83	77	73		90	82	76	72		80	75	72		78	74	71		77	73	70
6	87	78	71	67		85	77	71	67		75	70	66		74	69	66		73	69	65
7	82	73	67	62		81	72	66	62		71	66	62		70	65	61		68	64	61
8	78	68	62	58		77	68	62	58		67	61	58		66	61	57		65	60	57
9	74	64	58	54		73	64	58	54		63	58	54		62	57	54		61	57	54
10	71	61	55	51		70	60	55	51		60	54	51		59	54	51		58	54	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71549
5°	70218
10°	66744
15°	62476
20°	57556
25°	52124
30°	42782
35°	27812
40°	14921
45°	8027
50°	4415
55°	2161
60°	1305
65°	864
70°	629
75°	277
80°	413
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	10.0
10°-20°	258.7	25.7
20°-30°	327.3	32.5
30°-40°	220.0	21.9
40°-50°	72.3	7.2
50°-60°	19.5	1.9
60°-70°	6.0	0.6
70°-80°	1.7	0.2
80°-90°	0.1	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°	686.3	68.2
0°-40°	906.4	90.1
0°-60°	998.2	99.2
0°-90°	1006.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1006.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1097	
5°	1072	100
15°	925	259
25°	724	327
35°	349	220
45°	87	72
55°	19	19
65°	6	6
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1096.7
2.5°	1086.7
5°	1072.2
7.5°	1045.4
10°	1007.5
12.5°	967.4
15°	925.0
17.5°	877.0
20°	829.0
22.5°	779.9
25°	724.1
27.5°	656.1
30°	567.9
32.5°	461.9
35°	349.2
37.5°	250.0
40°	175.2
42.5°	122.7
45°	87.0
47.5°	61.3
50°	43.5
52.5°	29.0
55°	19.0
57.5°	13.4
60°	10.0
62.5°	7.8
65°	5.6
67.5°	4.5
70°	3.3
72.5°	2.2
75°	1.1
77.5°	1.1
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)