

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: PP201212

Luminaire Tested: **LD6B40D010 EU6B30508035 6LBCS1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: PP201212
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35144)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B40D010 EU6B30508035 6LBCS1MMS
Description: PORTFOLIO 6 INCH 80 DEGREE CUTOFF SHALLOW RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SHALLOW MATTE METALIC SILVER TRIM
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4402.9 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.27
Luminous Opening: Circular (Dia: 1.12' x H: 0')
CIE Type: Direct

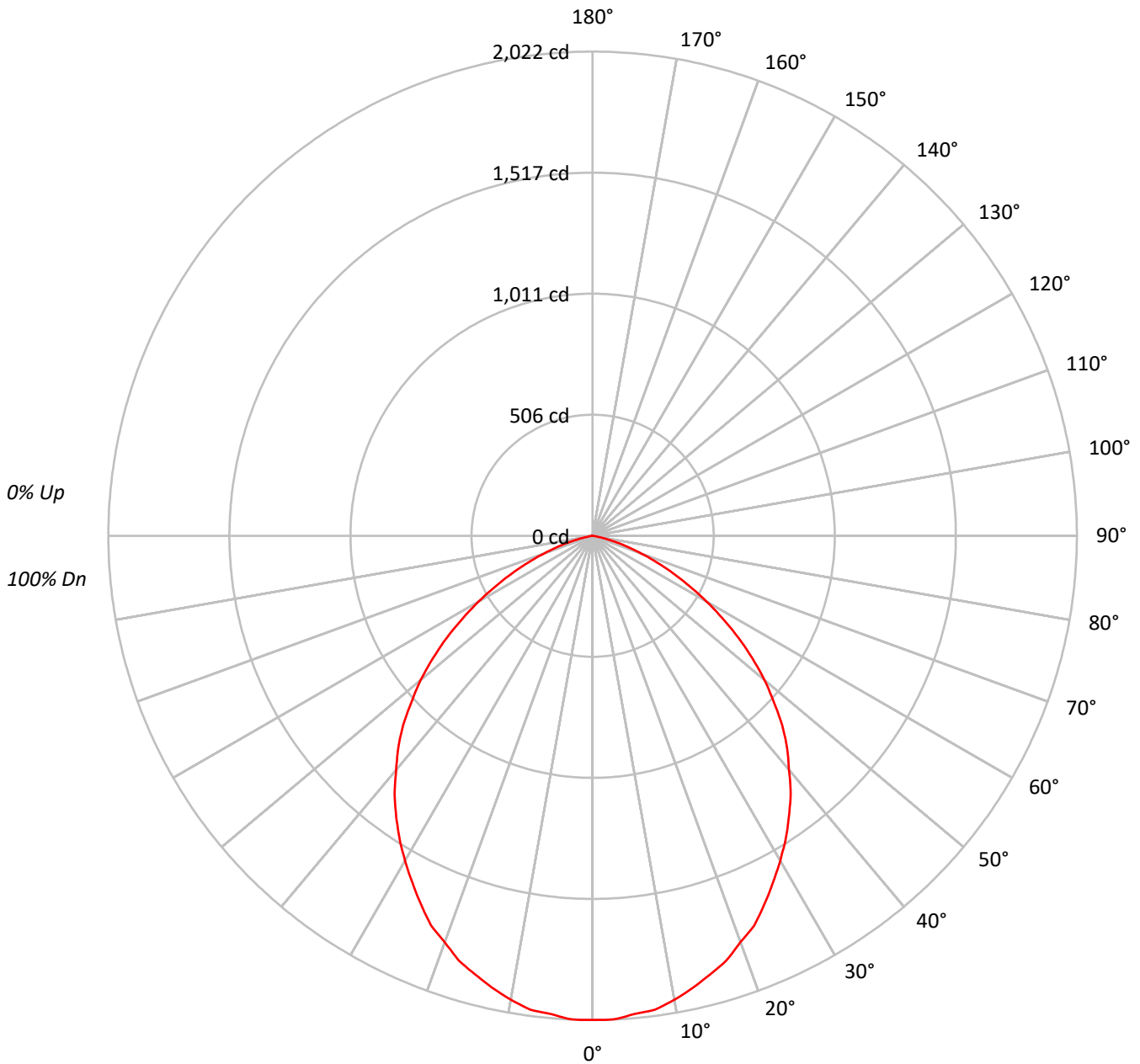
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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				100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88				88
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76				76
3	94	85	77	72	92	83	76	71	80	74	70	77	73	69	75	71	67	65				65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57				57
5	80	68	60	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50				50
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44				44
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41	40				40
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36				36
9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34	32				32
10	57	44	36	31	55	43	36	31	43	36	31	42	35	31	41	35	31	29				29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	21896
5°	21793
10°	21638
15°	21263
20°	20806
25°	20280
30°	19585
35°	18898
40°	18034
45°	17139
50°	15783
55°	14033
60°	11903
65°	9486
70°	6851
75°	3933
80°	1066
85°	348



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.6	4.3
10°-20°	534.7	12.1
20°-30°	780.9	17.7
30°-40°	893.2	20.3
40°-50°	858.4	19.5
50°-60°	662.9	15.1
60°-70°	370.0	8.4
70°-80°	107.7	2.4
80°-90°	4.6	0.1
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°	1506.2	34.2
0°-40°	2399.4	54.5
0°-60°	3920.7	89.0
0°-90°	4402.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4402.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2022	
5°	2005	191
15°	1897	535
25°	1697	781
35°	1430	893
45°	1119	858
55°	743	663
65°	370	370
75°	94	108
85°	3	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2022.0
2.5°	2022.0
5°	2004.9
7.5°	1996.3
10°	1967.9
12.5°	1933.7
15°	1896.7
17.5°	1859.6
20°	1805.5
22.5°	1762.8
25°	1697.3
27.5°	1631.8
30°	1566.3
32.5°	1500.8
35°	1429.6
37.5°	1358.4
40°	1275.8
42.5°	1201.8
45°	1119.2
47.5°	1025.2
50°	936.9
52.5°	840.1
55°	743.3
57.5°	643.6
60°	549.6
62.5°	455.7
65°	370.2
67.5°	290.5
70°	216.4
72.5°	150.9
75°	94.0
77.5°	48.4
80°	17.1
82.5°	5.7
85°	2.8
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)