

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: P204728

Luminaire Tested: **LD6B50D010TE EU6B30509050 6LBPSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204728
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B50D010TE EU6B30509050 6LBPSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH PLASTIC MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5059.3 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

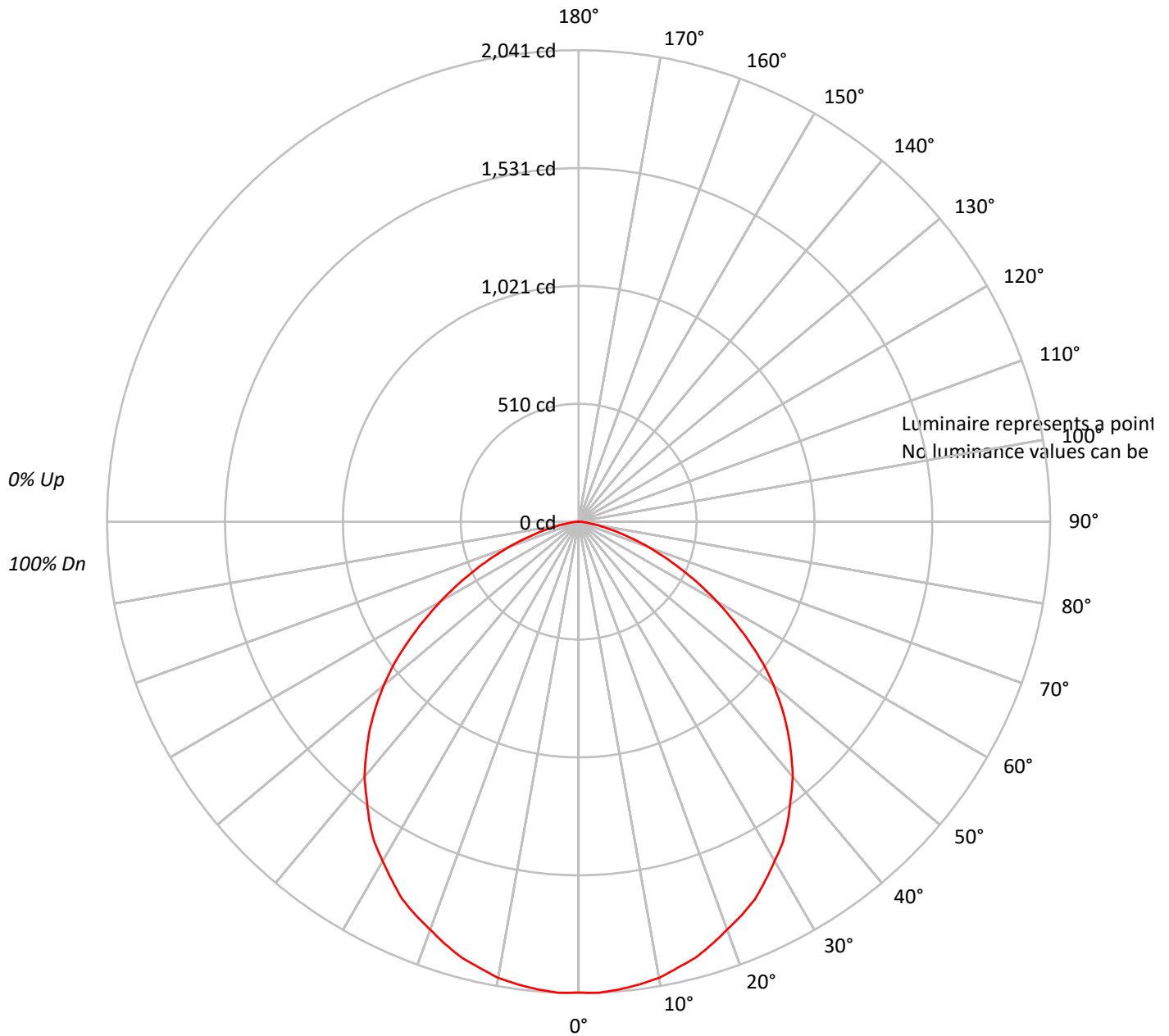
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	106	102	99	107	104	100	97	99	97	94		96	93	91		92
2	101	93	87	82	98	92	86	81	88	83	79		85	81	77		82
3	93	83	75	69	90	81	74	69	78	72	67		76	70	66		73
4	85	74	66	59	83	72	65	59	70	63	58		68	62	57		66
5	78	66	58	51	76	65	57	51	63	56	51		61	55	50		59
6	73	60	51	45	71	59	51	45	57	50	44		55	49	44		54
7	67	54	46	40	66	54	46	40	52	45	40		51	44	39		49
8	63	50	41	36	61	49	41	36	48	41	35		46	40	35		45
9	59	46	38	32	57	45	37	32	44	37	32		43	36	32		42
10	55	42	34	29	54	42	34	29	41	34	29		40	33	29		39

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.1	3.8
10°-20°	550.5	10.9
20°-30°	829.1	16.4
30°-40°	986.6	19.5
40°-50°	984.8	19.5
50°-60°	800.9	15.8
60°-70°	492.7	9.7
70°-80°	190.9	3.8
80°-90°	30.6	0.6
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°	1572.8	31.1
0°-40°	2559.4	50.6
0°-60°	4345.1	85.9
0°-90°	5059.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5059.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2038	
5°	2032	193
15°	1954	551
25°	1805	829
35°	1580	987
45°	1280	985
55°	896	801
65°	495	493
75°	174	191
85°	24	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2038.4
2.5°	2041.4
5°	2032.4
7.5°	2020.4
10°	2005.4
12.5°	1978.4
15°	1954.5
17.5°	1918.5
20°	1879.5
22.5°	1843.6
25°	1804.6
27.5°	1750.6
30°	1696.7
32.5°	1645.7
35°	1579.8
37.5°	1507.8
40°	1441.9
42.5°	1360.9
45°	1280.0
47.5°	1193.1
50°	1100.1
52.5°	1004.2
55°	896.3
57.5°	791.4
60°	689.5
62.5°	590.5
65°	494.6
67.5°	404.7
70°	320.7
72.5°	242.8
75°	173.9
77.5°	113.9
80°	68.9
82.5°	42.0
85°	24.0
87.5°	12.0
90°	0.0



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— 0°-180°







(END OF REPORT)