

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: P204827

Luminaire Tested: **LD6B50D010TE EU6B30509027 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204827
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 EU6B30509027 6LBCSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4822.1 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

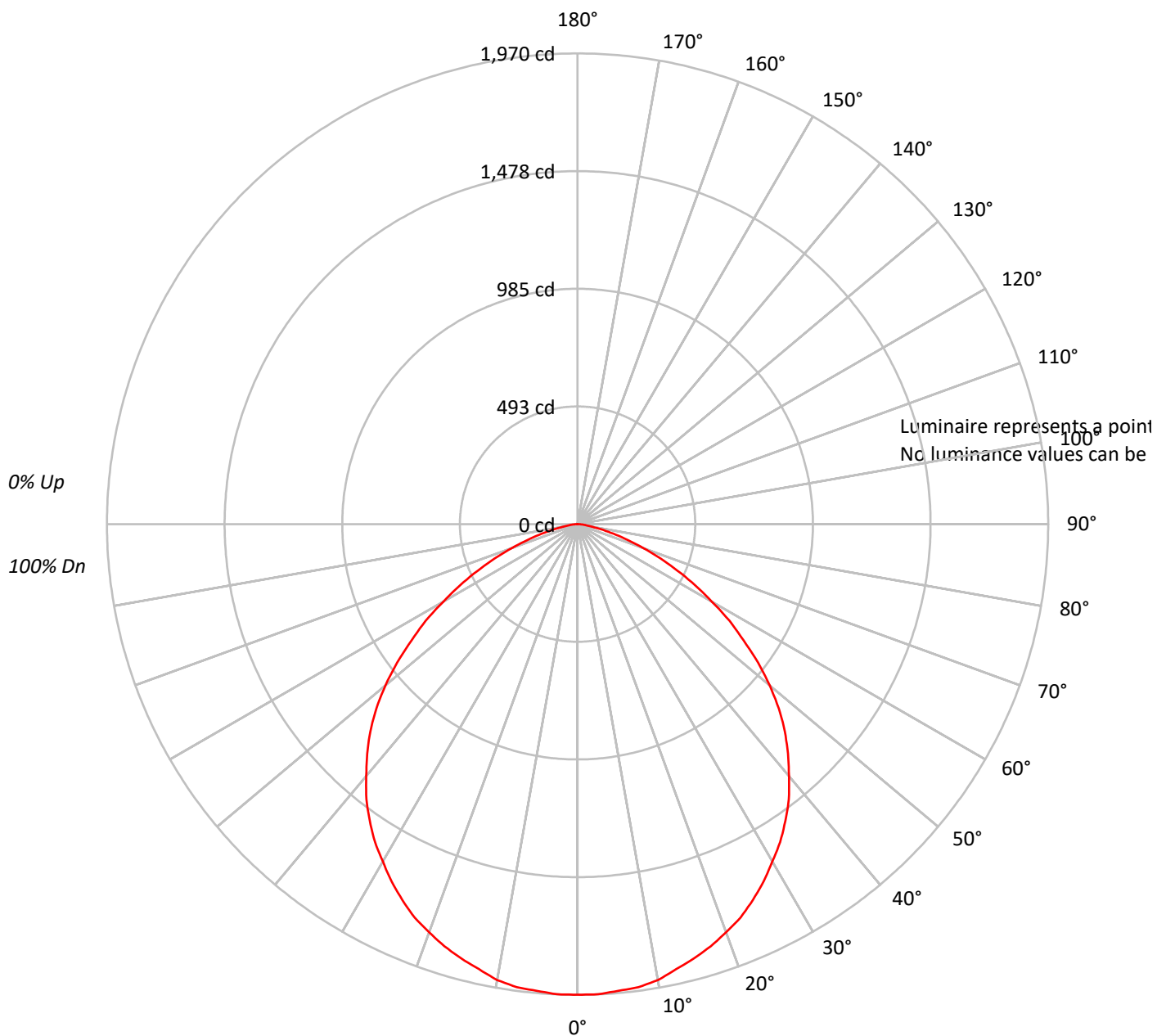
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	104	100	97	100	97	94		96	93	91		92
2	101	94	87	82	99	92	86	81	88	84	79		85	81	78		82
3	93	83	75	70	90	81	74	69	79	73	68		76	71	67		73
4	85	74	66	60	83	73	65	59	70	64	58		68	62	58		66
5	79	66	58	52	77	65	57	51	63	56	51		61	55	50		60
6	73	60	52	45	71	59	51	45	57	50	45		56	49	44		54
7	68	55	46	40	66	54	46	40	52	45	40		51	44	40		50
8	63	50	42	36	61	49	41	36	48	41	36		47	40	36		46
9	59	46	38	33	57	45	38	32	44	37	32		43	37	32		42
10	55	42	35	30	54	42	34	30	41	34	29		40	34	29		39

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.6	3.9
10°-20°	531.2	11.0
20°-30°	799.2	16.6
30°-40°	947.1	19.6
40°-50°	942.5	19.5
50°-60°	759.8	15.8
60°-70°	459.6	9.5
70°-80°	170.7	3.5
80°-90°	25.5	0.5
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°	1517.0	31.5
0°-40°	2464.1	51.1
0°-60°	4166.4	86.4
0°-90°	4822.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4822.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1970	
5°	1961	187
15°	1882	531
25°	1736	799
35°	1517	947
45°	1227	943
55°	847	760
65°	462	460
75°	155	171
85°	20	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1969.5
2.5°	1969.5
5°	1960.7
7.5°	1954.9
10°	1937.4
12.5°	1908.1
15°	1881.8
17.5°	1852.6
20°	1817.6
22.5°	1782.5
25°	1735.7
27.5°	1686.1
30°	1630.5
32.5°	1577.9
35°	1516.6
37.5°	1452.3
40°	1376.3
42.5°	1303.3
45°	1227.3
47.5°	1142.5
50°	1049.0
52.5°	952.6
55°	847.4
57.5°	753.9
60°	648.7
62.5°	555.2
65°	461.7
67.5°	374.0
70°	292.2
72.5°	219.2
75°	154.9
77.5°	99.4
80°	58.4
82.5°	35.1
85°	20.5
87.5°	8.8
90°	0.0



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— 0°-180°







(END OF REPORT)