

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: P204825

Luminaire Tested: **LD6B50D010TE EU6B30508050 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204825
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 EU6B30508050 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: 6077.7 lumens
Efficiency: N/A
Efficacy: 103.4 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

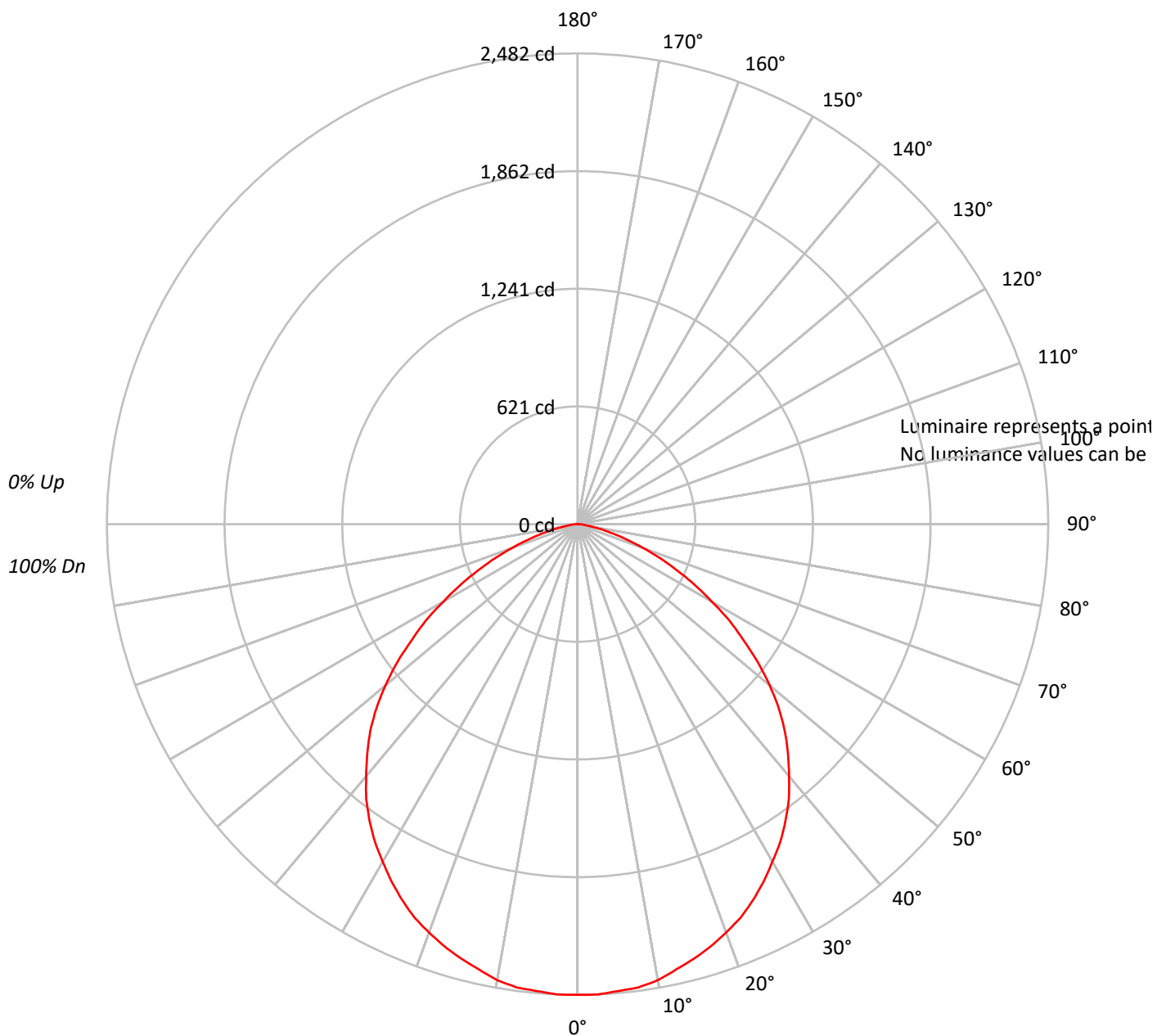
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	110	106	102	99		108	104	100	97		100	97	94		96	93	91		92	90	89
2	101	94	87	82		99	92	86	81		88	84	79		85	81	78		82	79	76
3	93	83	75	70		90	81	74	69		79	73	68		76	71	67		73	69	65
4	85	74	66	60		83	73	65	59		70	64	58		68	62	58		66	61	57
5	79	66	58	52		77	65	57	51		63	56	51		61	55	50		60	54	50
6	73	60	52	45		71	59	51	45		57	50	45		56	49	44		54	49	44
7	68	55	46	40		66	54	46	40		52	45	40		51	44	40		50	44	39
8	63	50	42	36		61	49	41	36		48	41	36		47	40	36		46	40	35
9	59	46	38	33		57	45	38	32		44	37	32		43	37	32		42	36	32
10	55	42	35	30		54	42	34	30		41	34	29		40	34	29		39	33	29

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.2	3.9
10°-20°	669.6	11.0
20°-30°	1007.2	16.6
30°-40°	1193.7	19.6
40°-50°	1187.9	19.5
50°-60°	957.6	15.8
60°-70°	579.3	9.5
70°-80°	215.1	3.5
80°-90°	32.1	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°	1912.0	31.5
0°-40°	3105.7	51.1
0°-60°	5251.2	86.4
0°-90°	6077.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6077.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2482	
5°	2471	235
15°	2372	670
25°	2188	1007
35°	1912	1194
45°	1547	1188
55°	1068	958
65°	582	579
75°	195	215
85°	26	32
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2482.3
2.5°	2482.3
5°	2471.3
7.5°	2463.9
10°	2441.8
12.5°	2405.0
15°	2371.8
17.5°	2335.0
20°	2290.8
22.5°	2246.6
25°	2187.7
27.5°	2125.1
30°	2055.1
32.5°	1988.8
35°	1911.5
37.5°	1830.4
40°	1734.7
42.5°	1642.6
45°	1546.8
47.5°	1440.0
50°	1322.2
52.5°	1200.6
55°	1068.1
57.5°	950.2
60°	817.6
62.5°	699.8
65°	581.9
67.5°	471.4
70°	368.3
72.5°	276.2
75°	195.2
77.5°	125.2
80°	73.7
82.5°	44.2
85°	25.8
87.5°	11.0
90°	0.0



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— 0°-180°







(END OF REPORT)