

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: P204730

Luminaire Tested: **LD6B50D010TE EU6B30509730 6LBPSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204730
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 EU6B30509730 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: 4333.6 lumens
Efficiency: N/A
Efficacy: 73.7 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

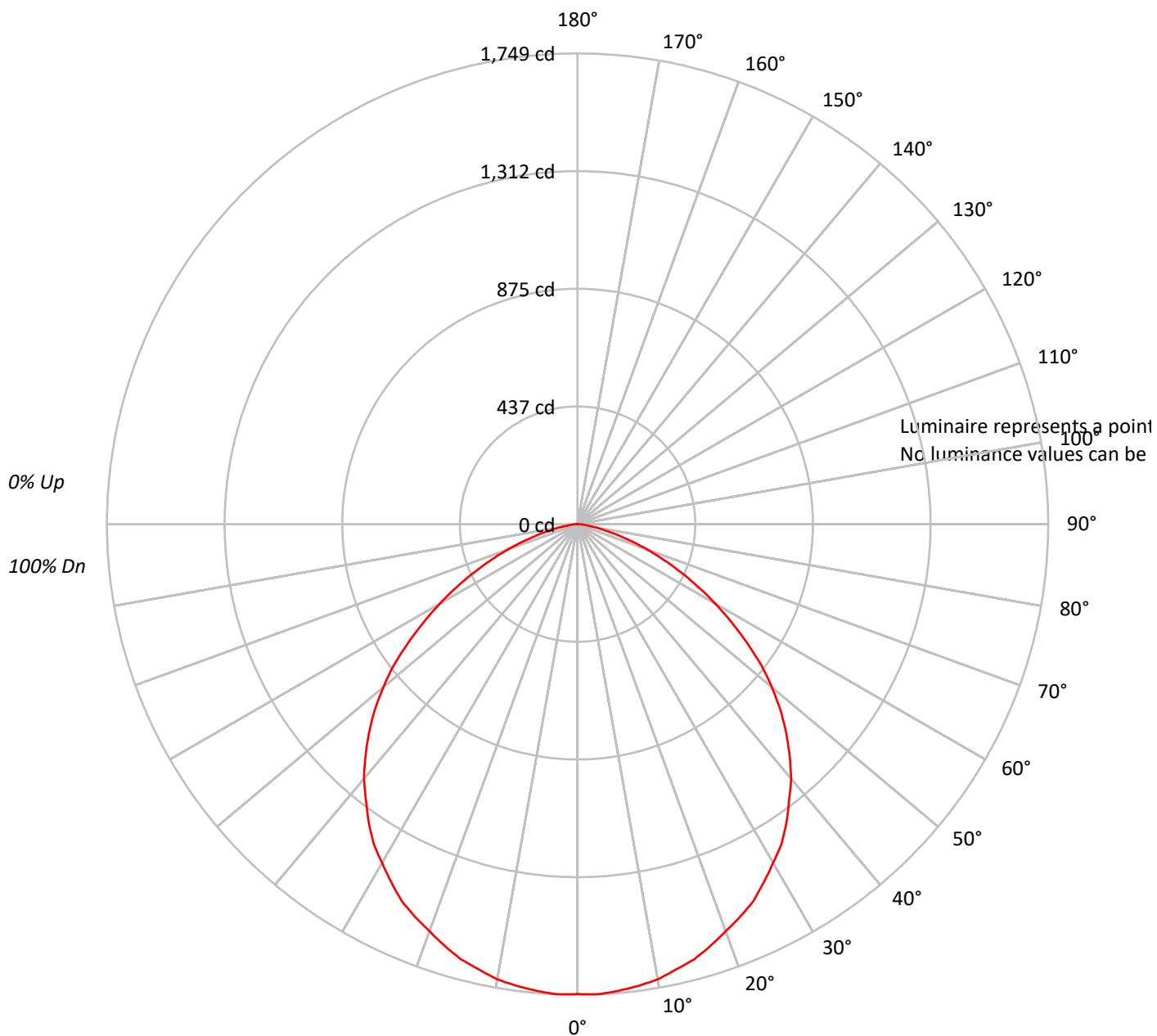
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot

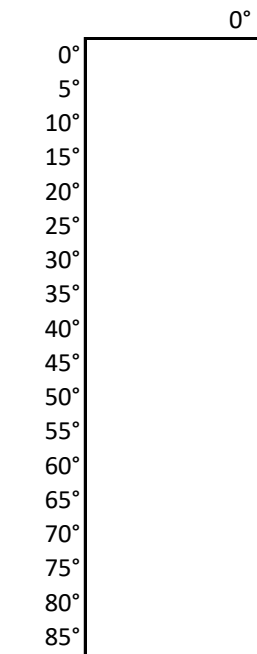


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					0	
RW	70	50	30	10		70	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
1	110	106	102	99		107	104	100	97		99	97	94		96	93	91		92	90	88	86
2	101	93	87	82		98	92	86	81		88	83	79		85	81	77		82	79	76	74
3	93	83	75	69		90	81	74	69		78	72	67		76	70	66		73	69	65	63
4	85	74	66	59		83	72	65	59		70	63	58		68	62	57		66	61	56	54
5	78	66	58	51		76	65	57	51		63	56	51		61	55	50		59	54	49	47
6	73	60	51	45		71	59	51	45		57	50	44		55	49	44		54	48	44	42
7	67	54	46	40		66	54	46	40		52	45	40		51	44	39		49	43	39	37
8	63	50	41	36		61	49	41	36		48	41	35		46	40	35		45	39	35	33
9	59	46	38	32		57	45	37	32		44	37	32		43	36	32		42	36	32	30
10	55	42	34	29		54	42	34	29		41	34	29		40	33	29		39	33	29	27

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.4	3.8
10°-20°	471.6	10.9
20°-30°	710.2	16.4
30°-40°	845.1	19.5
40°-50°	843.5	19.5
50°-60°	686.0	15.8
60°-70°	422.0	9.7
70°-80°	163.5	3.8
80°-90°	26.2	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°	1347.2	31.1
0°-40°	2192.3	50.6
0°-60°	3721.9	85.9
0°-90°	4333.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4333.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1746	
5°	1741	165
15°	1674	472
25°	1546	710
35°	1353	845
45°	1096	844
55°	768	686
65°	424	422
75°	149	164
85°	20	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1746.0
2.5°	1748.6
5°	1740.9
7.5°	1730.6
10°	1717.8
12.5°	1694.7
15°	1674.1
17.5°	1643.3
20°	1609.9
22.5°	1579.1
25°	1545.8
27.5°	1499.5
30°	1453.3
32.5°	1409.7
35°	1353.2
37.5°	1291.6
40°	1235.1
42.5°	1165.7
45°	1096.4
47.5°	1021.9
50°	942.3
52.5°	860.2
55°	767.7
57.5°	677.9
60°	590.6
62.5°	505.8
65°	423.7
67.5°	346.6
70°	274.7
72.5°	208.0
75°	148.9
77.5°	97.6
80°	59.1
82.5°	35.9
85°	20.5
87.5°	10.3
90°	0.0



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— 0°-180°







(END OF REPORT)