

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: P204936

Luminaire Tested: **LD6B50D010TE EU6B30509730 6LBCSMB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204936
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 6LBCSMB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE BLACK TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3703.0 lumens
Efficiency: N/A
Efficacy: 63.0 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

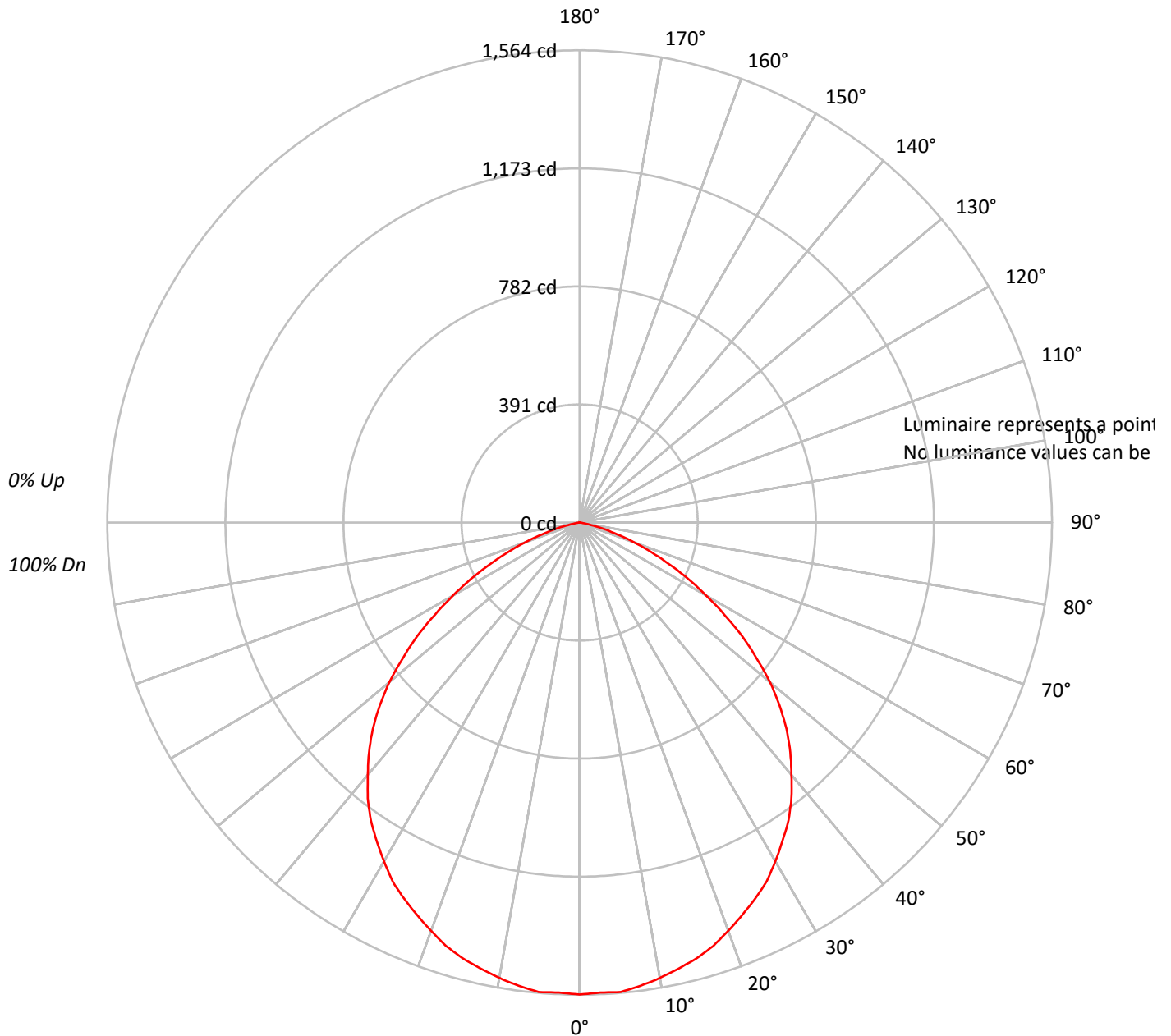
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





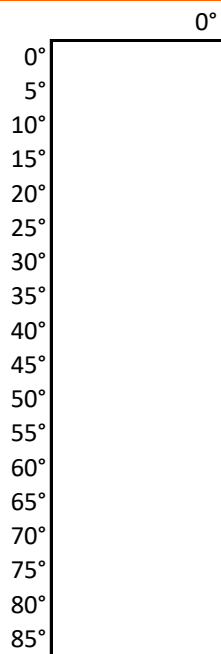
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					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			100
1	111	107	103	100	108	104	101	98		100	98	95			96	94	92			88
2	102	95	89	84	99	93	87	83		89	85	81			86	82	79			75
3	93	84	77	71	91	83	76	70		80	74	69			77	72	68			65
4	86	75	67	61	84	74	66	61		71	65	60			69	63	59			56
5	79	67	59	53	77	66	59	53		64	57	52			62	56	52			49
6	74	61	53	47	72	60	52	46		58	51	46			57	50	46			43
7	68	55	47	41	67	55	47	41		53	46	41			52	45	41			39
8	64	51	43	37	62	50	42	37		49	42	37			48	41	37			35
9	60	47	39	33	58	46	39	33		45	38	33			44	38	33			31
10	56	43	35	30	55	43	35	30		42	35	30			41	34	30			28

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.9	4.0
10°-20°	421.3	11.4
20°-30°	633.4	17.1
30°-40°	751.5	20.3
40°-50°	743.7	20.1
50°-60°	584.2	15.8
60°-70°	327.5	8.8
70°-80°	92.0	2.5
80°-90°	1.4	0.0
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°	1202.6	32.5
0°-40°	1954.2	52.8
0°-60°	3282.1	88.6
0°-90°	3703.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3703.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1564	
5°	1561	148
15°	1495	421
25°	1375	633
35°	1205	752
45°	969	744
55°	658	584
65°	326	328
75°	80	92
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1563.6
2.5°	1558.3
5°	1561.0
7.5°	1547.7
10°	1531.8
12.5°	1513.2
15°	1494.6
17.5°	1470.7
20°	1438.8
22.5°	1407.0
25°	1375.1
27.5°	1340.6
30°	1295.5
32.5°	1250.4
35°	1205.2
37.5°	1152.1
40°	1091.1
42.5°	1032.7
45°	969.0
47.5°	897.3
50°	823.0
52.5°	738.0
55°	658.4
57.5°	568.1
60°	483.2
62.5°	406.2
65°	326.5
67.5°	257.5
70°	191.1
72.5°	130.1
75°	79.6
77.5°	39.8
80°	10.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)