

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: P204213

Luminaire Tested: **LD6B50D010TE EU6B30509730 6LBSH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204213
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 6LBSH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4155.4 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

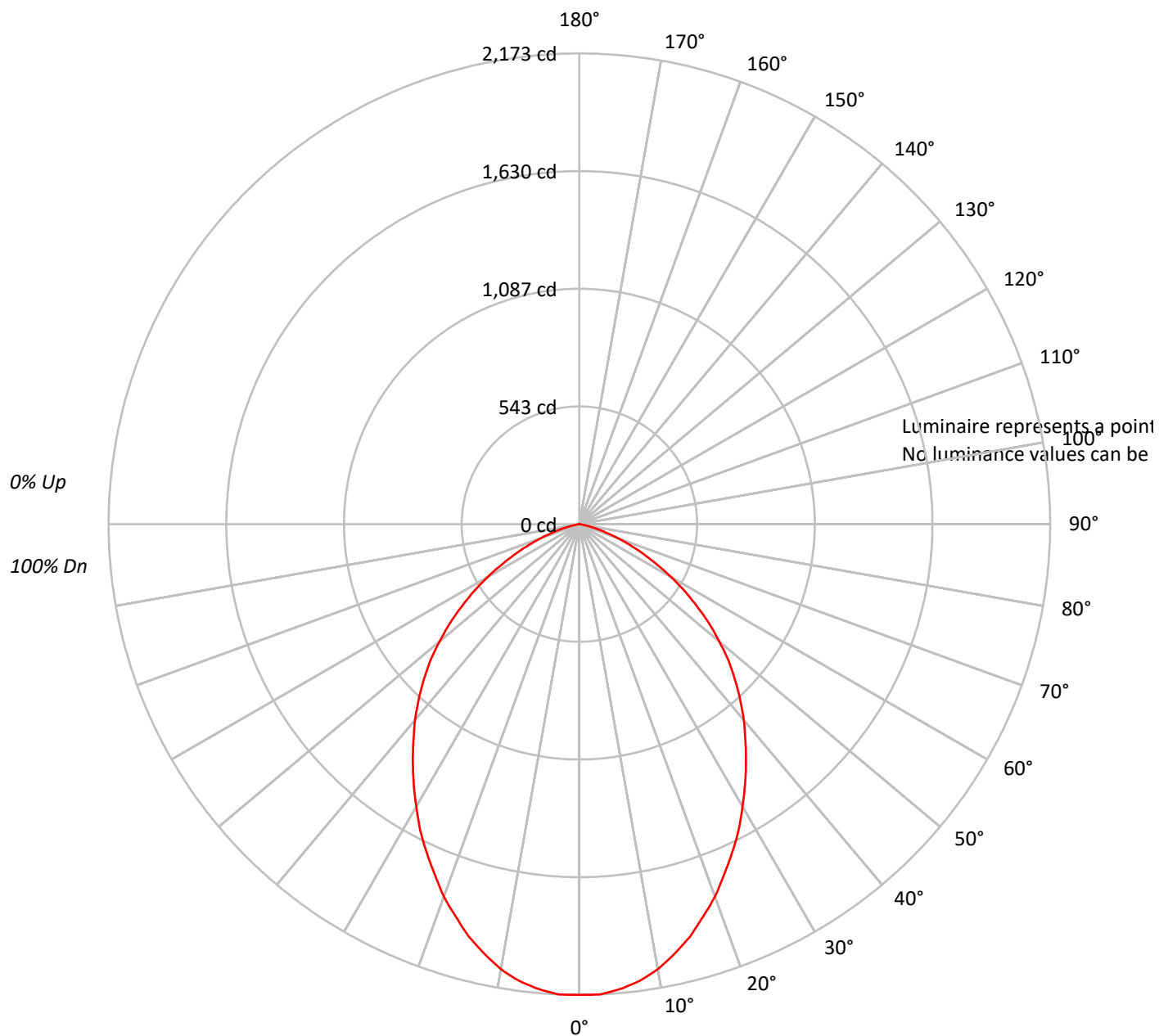
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204213

CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LB5H1

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	111	107	104	101	108	105	102	99		101	98	96		97	95	93		93	92	90
2	102	96	90	85	100	94	88	84		90	86	82		87	83	80		84	81	79
3	95	85	78	73	92	84	77	72		81	75	71		78	74	70		76	72	69
4	87	77	69	63	85	75	68	63		73	67	62		71	65	61		69	64	60
5	81	69	61	55	79	68	61	55		66	60	55		64	59	54		63	58	53
6	75	63	55	49	73	62	54	49		60	54	49		59	53	48		57	52	48
7	70	58	50	44	68	57	49	44		55	49	44		54	48	43		53	47	43
8	65	53	45	40	64	52	45	40		51	44	39		50	44	39		49	43	39
9	61	49	41	36	60	48	41	36		47	40	36		46	40	36		45	40	35
10	58	45	38	33	56	45	38	33		44	37	33		43	37	33		42	37	33

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.6	4.9
10°-20°	553.3	13.3
20°-30°	768.4	18.5
30°-40°	838.5	20.2
40°-50°	782.2	18.8
50°-60°	593.7	14.3
60°-70°	325.1	7.8
70°-80°	89.5	2.2
80°-90°	1.2	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°	1525.3	36.7
0°-40°	2363.8	56.9
0°-60°	3739.7	90.0
0°-90°	4155.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4155.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2173	
5°	2155	204
15°	1972	553
25°	1670	768
35°	1341	839
45°	1016	782
55°	663	594
65°	325	325
75°	78	89
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2173.3
2.5°	2173.3
5°	2155.0
7.5°	2127.5
10°	2086.4
12.5°	2031.4
15°	1972.0
17.5°	1898.8
20°	1830.1
22.5°	1747.8
25°	1670.0
27.5°	1592.2
30°	1505.3
32.5°	1422.9
35°	1340.6
37.5°	1258.2
40°	1180.4
42.5°	1098.1
45°	1015.7
47.5°	933.4
50°	841.9
52.5°	754.9
55°	663.4
57.5°	576.5
60°	489.6
62.5°	402.6
65°	324.8
67.5°	251.6
70°	187.6
72.5°	128.1
75°	77.8
77.5°	36.6
80°	9.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)