

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: P204521

Luminaire Tested: **LD6B50D010TE EU6B30509727 6LBSB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204521
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 EU6B30509727 6LBSB1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH SPECULAR BLACK TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3494.9 lumens
Efficiency: N/A
Efficacy: 59.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.3
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

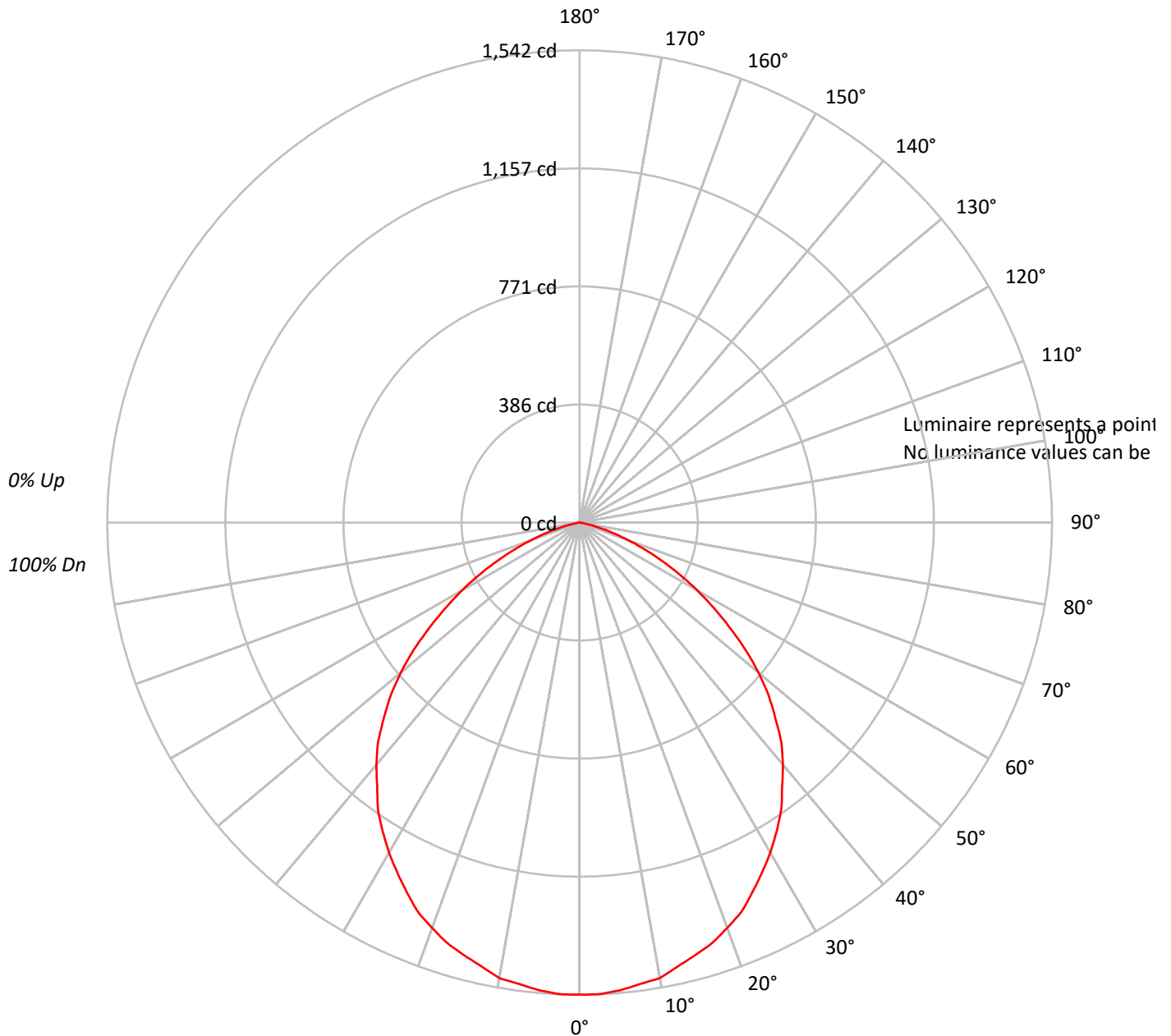
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	103	100	108	105	101	98	100	98	95	97	94	93	93	91	90	88		
2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	84	80	78	76		
3	94	84	77	72	91	83	76	71	80	74	70	77	73	68	75	71	67	65		
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57		
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50		
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44		
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39		
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.5	4.2
10°-20°	412.9	11.8
20°-30°	614.2	17.6
30°-40°	714.7	20.4
40°-50°	696.6	19.9
50°-60°	535.8	15.3
60°-70°	296.2	8.5
70°-80°	78.4	2.2
80°-90°	0.6	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°	1172.6	33.6
0°-40°	1887.2	54.0
0°-60°	3119.6	89.3
0°-90°	3494.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3494.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1542	
5°	1533	146
15°	1462	413
25°	1334	614
35°	1147	715
45°	904	697
55°	598	536
65°	297	296
75°	66	78
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1541.7
2.5°	1541.7
5°	1532.9
7.5°	1519.6
10°	1510.7
12.5°	1484.1
15°	1462.0
17.5°	1439.8
20°	1408.8
22.5°	1377.8
25°	1333.5
27.5°	1289.2
30°	1244.9
32.5°	1196.2
35°	1147.4
37.5°	1085.4
40°	1032.2
42.5°	974.6
45°	903.8
47.5°	837.3
50°	762.0
52.5°	682.3
55°	598.1
57.5°	518.3
60°	443.0
62.5°	367.7
65°	296.8
67.5°	230.4
70°	168.3
72.5°	115.2
75°	66.5
77.5°	31.0
80°	4.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)