

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: P204620

Luminaire Tested: **LD6B50D010TE EU6B30509027 6LBSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204620
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 EU6B30509027 6LB5MW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4768.4 lumens
Efficiency: N/A
Efficacy: 81.1 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

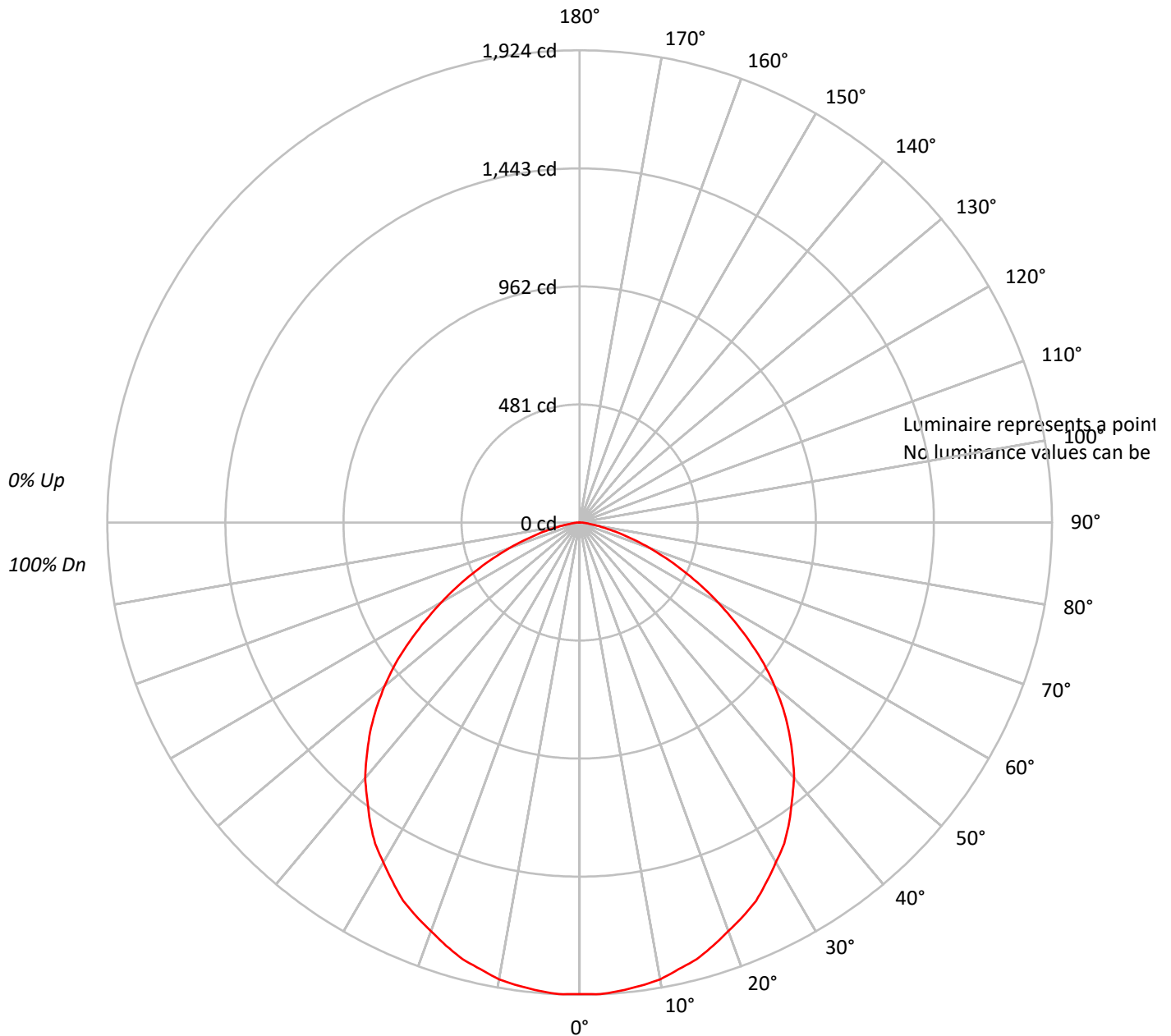
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	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	65	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°	182.0	3.8
10°-20°	518.9	10.9
20°-30°	781.5	16.4
30°-40°	929.9	19.5
40°-50°	928.2	19.5
50°-60°	754.9	15.8
60°-70°	464.4	9.7
70°-80°	179.9	3.8
80°-90°	28.8	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°	1482.4	31.1
0°-40°	2412.2	50.6
0°-60°	4095.3	85.9
0°-90°	4768.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4768.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1921	
5°	1916	182
15°	1842	519
25°	1701	781
35°	1489	930
45°	1206	928
55°	845	755
65°	466	464
75°	164	180
85°	23	29
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1921.2
2.5°	1924.0
5°	1915.5
7.5°	1904.2
10°	1890.1
12.5°	1864.7
15°	1842.1
17.5°	1808.2
20°	1771.4
22.5°	1737.5
25°	1700.8
27.5°	1650.0
30°	1599.1
32.5°	1551.1
35°	1488.9
37.5°	1421.1
40°	1359.0
42.5°	1282.7
45°	1206.4
47.5°	1124.5
50°	1036.9
52.5°	946.5
55°	844.8
57.5°	745.9
60°	649.8
62.5°	556.6
65°	466.2
67.5°	381.4
70°	302.3
72.5°	228.8
75°	163.9
77.5°	107.4
80°	65.0
82.5°	39.6
85°	22.6
87.5°	11.3
90°	0.0



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— 0°-180°







(END OF REPORT)