

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: P204933

Luminaire Tested: **LD6B50D010TE EU6B30509040 6LBCSMB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204933
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 EU6B30509040 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: 4304.2 lumens
Efficiency: N/A
Efficacy: 73.2 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

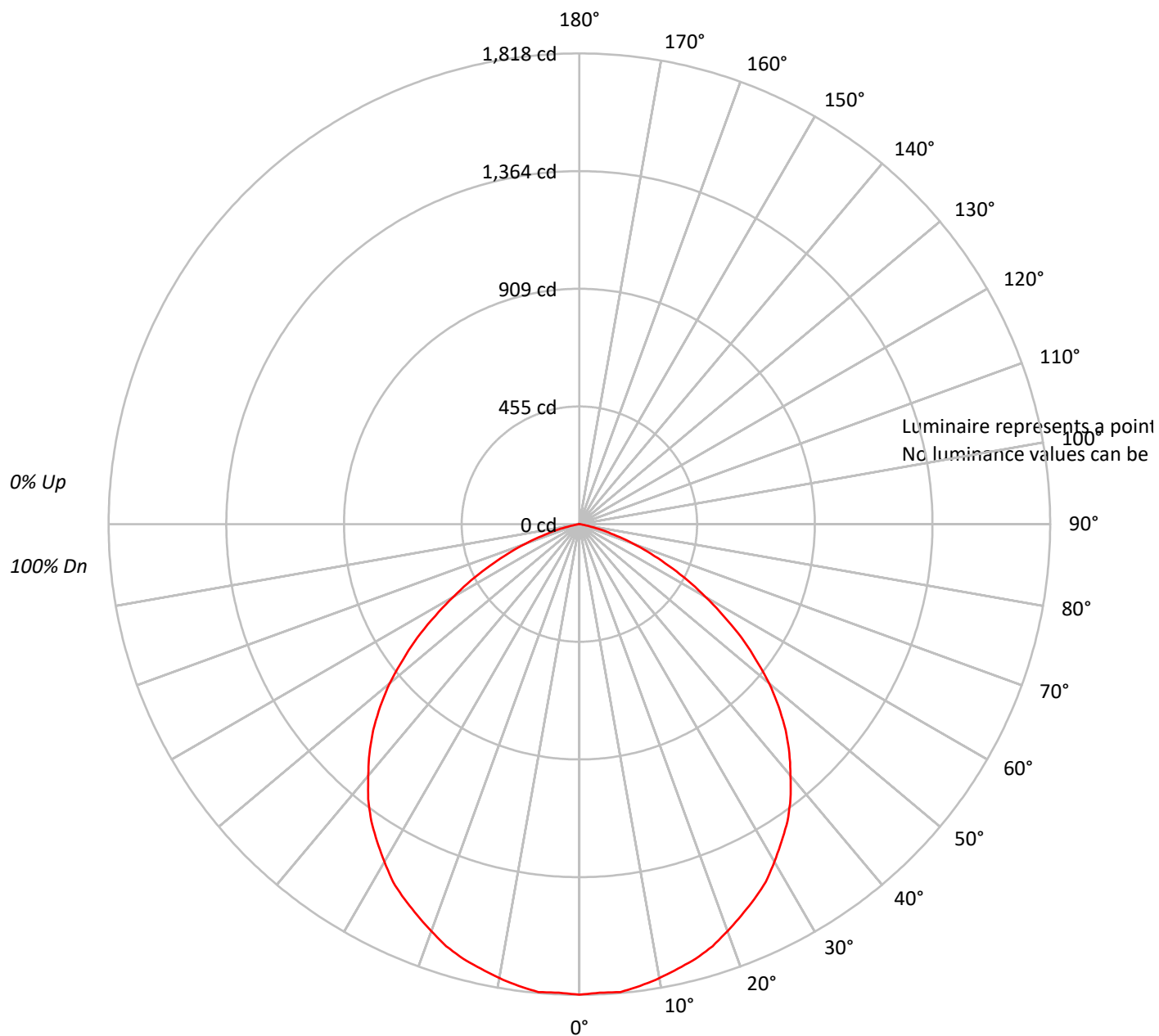
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204933

CATALOG NUMBER: LD6B50D010TE EU6B30509040 6LBSCMB1

Luminous Intensity Polar Plot





TEST NUMBER: P204933

CATALOG NUMBER: LD6B50D010TE EU6B30509040 6LBCSMB1

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	104	101	98	100	98	95	96	94	92	93	91	90	88		
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75		
3	93	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65		
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56		
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49		
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35		
9	60	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28		

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204933

CATALOG NUMBER: LD6B50D010TE EU6B30509040 6LBCSMB1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.9	4.0
10°-20°	489.8	11.4
20°-30°	736.2	17.1
30°-40°	873.6	20.3
40°-50°	864.5	20.1
50°-60°	679.0	15.8
60°-70°	380.7	8.8
70°-80°	106.9	2.5
80°-90°	1.7	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°	1397.9	32.5
0°-40°	2271.4	52.8
0°-60°	3814.9	88.6
0°-90°	4304.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4304.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1818	
5°	1814	172
15°	1737	490
25°	1598	736
35°	1401	874
45°	1126	864
55°	765	679
65°	380	381
75°	93	107
85°	0	2
90°	0	



TEST NUMBER: P204933

CATALOG NUMBER: LD6B50D010TE EU6B30509040 6LBCSMB1

CANDELA DISTRIBUTION (FULL):

	0°
0°	1817.5
2.5°	1811.3
5°	1814.4
7.5°	1799.0
10°	1780.5
12.5°	1758.9
15°	1737.3
17.5°	1709.5
20°	1672.5
22.5°	1635.4
25°	1598.4
27.5°	1558.3
30°	1505.8
32.5°	1453.4
35°	1400.9
37.5°	1339.2
40°	1268.2
42.5°	1200.4
45°	1126.3
47.5°	1043.0
50°	956.6
52.5°	857.8
55°	765.3
57.5°	660.3
60°	561.6
62.5°	472.1
65°	379.5
67.5°	299.3
70°	222.2
72.5°	151.2
75°	92.6
77.5°	46.3
80°	12.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)