

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: P204721

Luminaire Tested: **LD6B50D010TE EU6B30508040 6LBPSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204721
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 EU6B30508040 6LBPSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH PLASTIC MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6013.3 lumens
Efficiency: N/A
Efficacy: 102.3 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

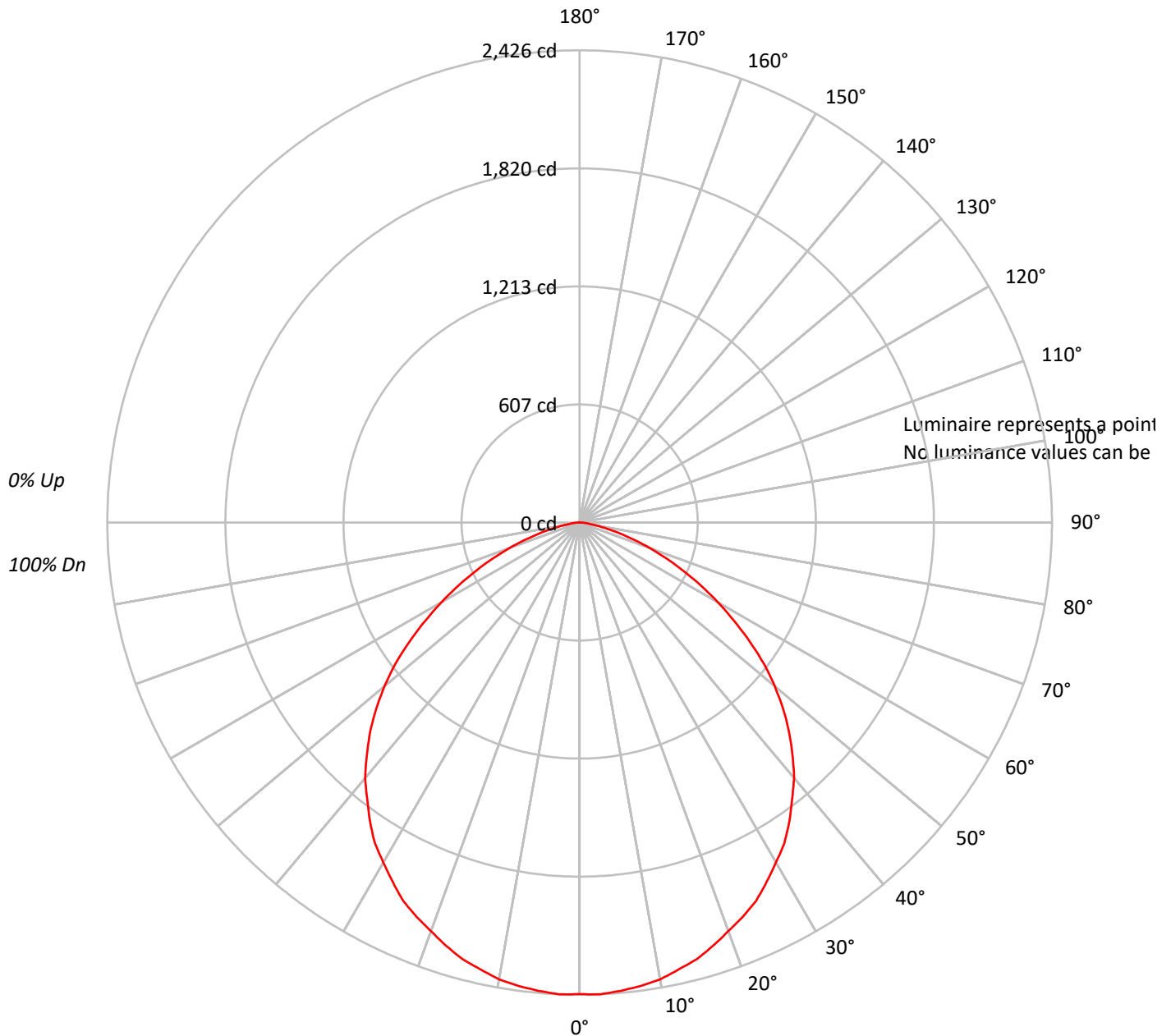
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204721

CATALOG NUMBER: LD6B50D010TE EU6B30508040 6LBPSMW1

Luminous Intensity Polar Plot





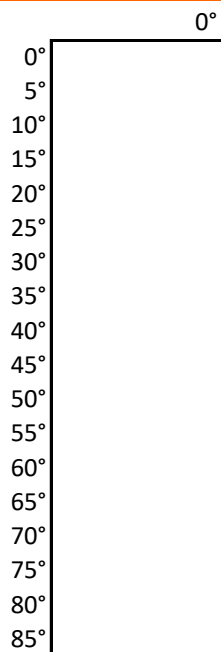
TEST NUMBER: P204721

CATALOG NUMBER: LD6B50D010TE EU6B30508040 6LBPSMW1

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	0
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	66	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):





TEST NUMBER: P204721

CATALOG NUMBER: LD6B50D010TE EU6B30508040 6LBPSMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.6	3.8
10°-20°	654.4	10.9
20°-30°	985.5	16.4
30°-40°	1172.6	19.5
40°-50°	1170.5	19.5
50°-60°	951.9	15.8
60°-70°	585.6	9.7
70°-80°	226.8	3.8
80°-90°	36.4	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°	1869.4	31.1
0°-40°	3042.0	50.6
0°-60°	5164.5	85.9
0°-90°	6013.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6013.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2423	
5°	2416	230
15°	2323	654
25°	2145	985
35°	1878	1173
45°	1521	1171
55°	1065	952
65°	588	586
75°	207	227
85°	28	36
90°	0	



TEST NUMBER: P204721

CATALOG NUMBER: LD6B50D010TE EU6B30508040 6LBPSMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2422.8
2.5°	2426.3
5°	2415.6
7.5°	2401.4
10°	2383.6
12.5°	2351.5
15°	2323.0
17.5°	2280.3
20°	2233.9
22.5°	2191.2
25°	2144.9
27.5°	2080.7
30°	2016.6
32.5°	1956.0
35°	1877.6
37.5°	1792.1
40°	1713.8
42.5°	1617.6
45°	1521.4
47.5°	1418.0
50°	1307.6
52.5°	1193.6
55°	1065.3
57.5°	940.6
60°	819.5
62.5°	701.9
65°	587.9
67.5°	481.0
70°	381.2
72.5°	288.6
75°	206.6
77.5°	135.4
80°	81.9
82.5°	49.9
85°	28.5
87.5°	14.3
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)