

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: P202747

Luminaire Tested: **LD6B40D010 EU6B30508030 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202747
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: LD6B40D010 EU6B30508030 6LBWH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57
W DL3-44.71 W DLE-39.33 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3695.1 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

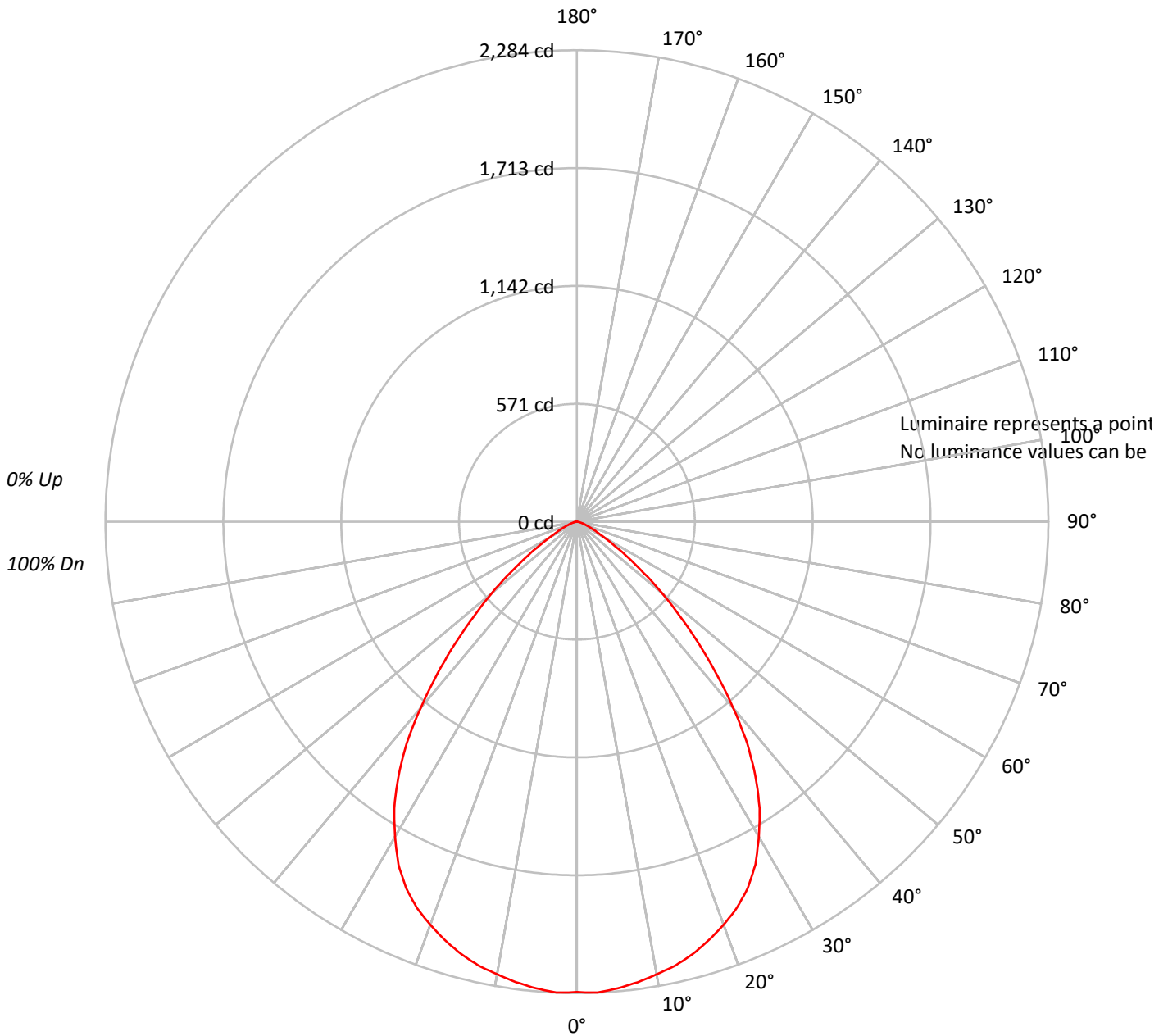
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202747

CATALOG NUMBER: LD6B40D010 EU6B30508030 6LBWH1

Luminous Intensity Polar Plot





TEST NUMBER: P202747

CATALOG NUMBER: LD6B40D010 EU6B30508030 6LBWH1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73			
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59			
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41			
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P202747

CATALOG NUMBER: LD6B40D010 EU6B30508030 6LBWH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.3	5.8
10°-20°	610.8	16.5
20°-30°	895.6	24.2
30°-40°	932.0	25.2
40°-50°	644.9	17.5
50°-60°	280.7	7.6
60°-70°	86.1	2.3
70°-80°	25.8	0.7
80°-90°	3.9	0.1
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°	1721.6	46.6
0°-40°	2653.7	71.8
0°-60°	3579.3	96.9
0°-90°	3695.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3695.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2279	
5°	2270	215
15°	2169	611
25°	1958	896
35°	1508	932
45°	833	645
55°	302	281
65°	81	86
75°	24	26
85°	5	4
90°	0	



TEST NUMBER: P202747

CATALOG NUMBER: LD6B40D010 EU6B30508030 6LBWH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2279.1
2.5°	2283.9
5°	2269.5
7.5°	2250.4
10°	2226.4
12.5°	2202.5
15°	2169.0
17.5°	2125.9
20°	2078.0
22.5°	2025.3
25°	1958.3
27.5°	1872.1
30°	1762.0
32.5°	1647.1
35°	1508.2
37.5°	1355.0
40°	1177.8
42.5°	1000.7
45°	833.1
47.5°	675.1
50°	536.3
52.5°	407.0
55°	301.6
57.5°	215.5
60°	148.4
62.5°	110.1
65°	81.4
67.5°	62.2
70°	43.1
72.5°	33.5
75°	23.9
77.5°	14.4
80°	9.6
82.5°	4.8
85°	4.8
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)