

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: P204784

Luminaire Tested: **LD6B20D010 EU6B10208035 6LBCSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204784
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: LD6B20D010 EU6B10208035 6LBCSMW1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE WHITE TRIM
WATTAGE D010TR-21.86 W DE010-20.46 W D5LT-21.24 W DMX-20.89 W DL2-22.5 W
DL3-21.8 6 W DLE-22.46 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2293.9 lumens
Efficiency: N/A
Efficacy: 110.3 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

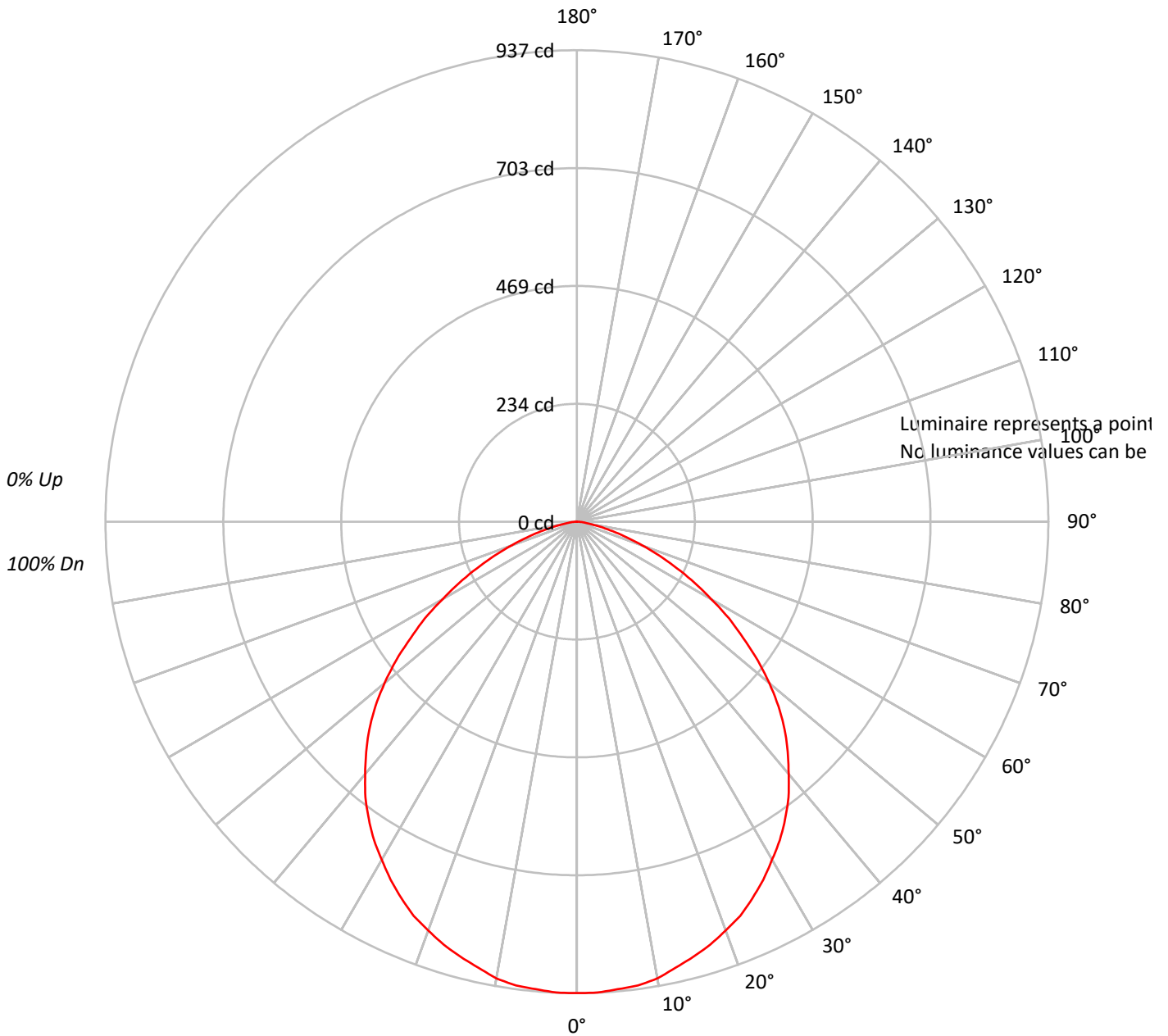
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P204784

CATALOG NUMBER: LD6B20D010 EU6B10208035 6LBCSMW1

Luminous Intensity Polar Plot





TEST NUMBER: P204784

CATALOG NUMBER: LD6B20D010 EU6B10208035 6LBCSMW1

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	100	100	100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87	87	87	87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	74	74	74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63	63	63	63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55	55	55	55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48	48	48	48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42	42	42	42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37	37	37	37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33	33	33	33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30	30	30	30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27	27	27	27

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P204784

CATALOG NUMBER: LD6B20D010 EU6B10208035 6LBCSMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	3.9
10°-20°	252.7	11.0
20°-30°	380.2	16.6
30°-40°	450.5	19.6
40°-50°	448.3	19.5
50°-60°	361.4	15.8
60°-70°	218.6	9.5
70°-80°	81.2	3.5
80°-90°	12.1	0.5
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°	721.7	31.5
0°-40°	1172.2	51.1
0°-60°	1982.0	86.4
0°-90°	2293.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2293.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	937	
5°	933	89
15°	895	253
25°	826	380
35°	722	451
45°	584	448
55°	403	361
65°	220	219
75°	74	81
85°	10	12
90°	0	



TEST NUMBER: P204784

CATALOG NUMBER: LD6B20D010 EU6B10208035 6LBCSMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	936.9
2.5°	936.9
5°	932.7
7.5°	930.0
10°	921.6
12.5°	907.7
15°	895.2
17.5°	881.3
20°	864.6
22.5°	848.0
25°	825.7
27.5°	802.1
30°	775.7
32.5°	750.6
35°	721.5
37.5°	690.9
40°	654.7
42.5°	620.0
45°	583.8
47.5°	543.5
50°	499.0
52.5°	453.2
55°	403.1
57.5°	358.6
60°	308.6
62.5°	264.1
65°	219.6
67.5°	177.9
70°	139.0
72.5°	104.3
75°	73.7
77.5°	47.3
80°	27.8
82.5°	16.7
85°	9.7
87.5°	4.2
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)