

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: P205026

Luminaire Tested: **LD6B50D010TE EU6B30508027 6LBCSMMS1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205026
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 EU6B30508027 6LBCSMMS1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH CAST MATTE METALLIC SILVER TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5258.7 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.27
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

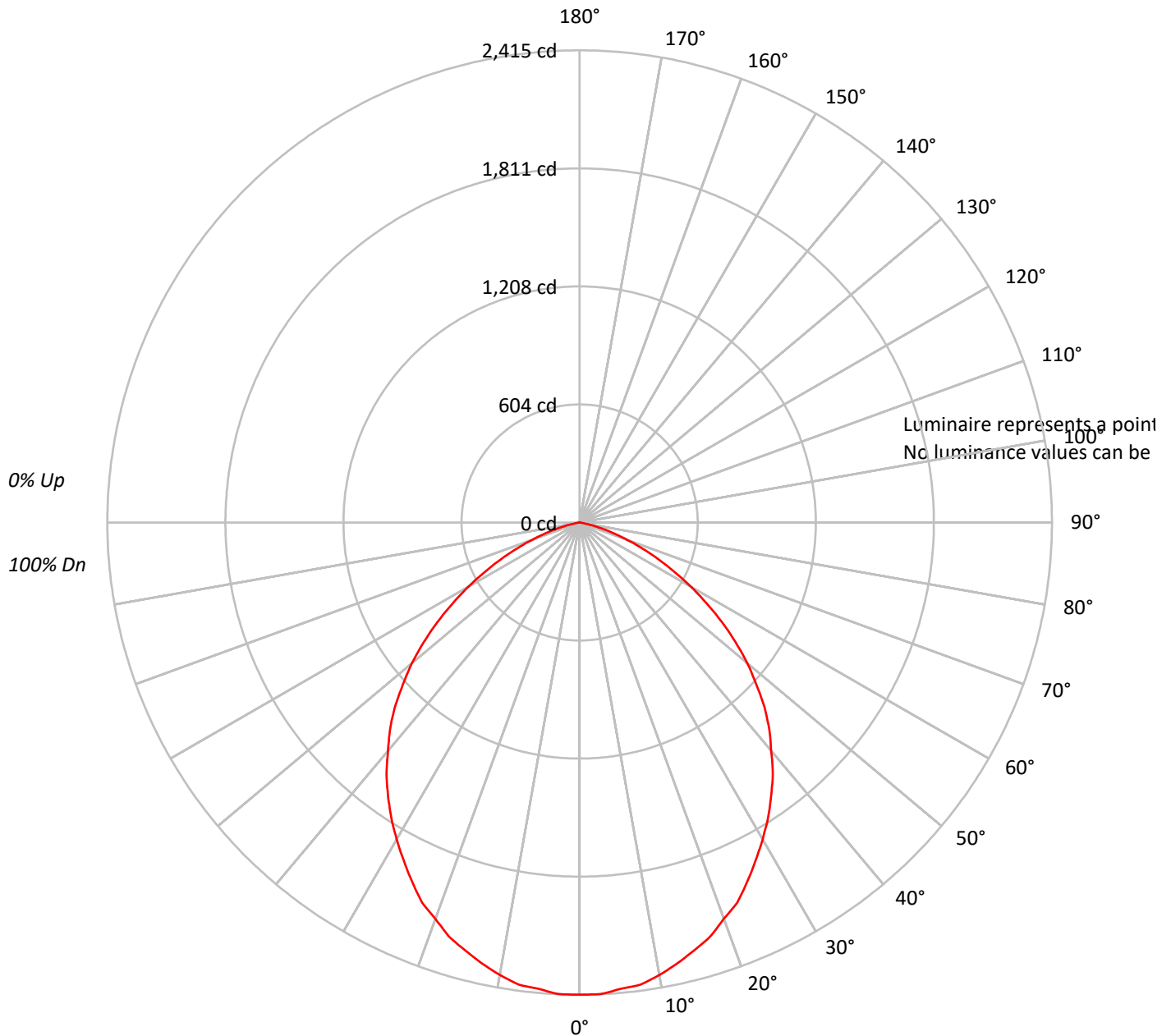
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205026

CATALOG NUMBER: LD6B50D010TE EU6B30508027 6LBSCMMS1

Luminous Intensity Polar Plot





TEST NUMBER: P205026

CATALOG NUMBER: LD6B50D010TE EU6B30508027 6LBCSMMS1

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	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88		
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76		
3	94	85	77	72	92	83	76	71	80	74	70	77	73	69	75	71	67	65		
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57		
5	80	68	60	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50		
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44		
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41	40		
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36		
9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34	32		
10	57	44	36	31	55	43	36	31	43	36	31	42	35	31	41	35	31	29		

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205026

CATALOG NUMBER: LD6B50D010TE EU6B30508027 6LBCSMMMS1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.6	4.3
10°-20°	638.6	12.1
20°-30°	932.7	17.7
30°-40°	1066.8	20.3
40°-50°	1025.3	19.5
50°-60°	791.7	15.1
60°-70°	441.9	8.4
70°-80°	128.6	2.4
80°-90°	5.5	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°	1798.9	34.2
0°-40°	2865.7	54.5
0°-60°	4682.7	89.0
0°-90°	5258.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5258.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2415	
5°	2394	228
15°	2265	639
25°	2027	933
35°	1708	1067
45°	1337	1025
55°	888	792
65°	442	442
75°	112	129
85°	3	6
90°	0	



TEST NUMBER: P205026

CATALOG NUMBER: LD6B50D010TE EU6B30508027 6LBCSMMS1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2414.9
2.5°	2414.9
5°	2394.5
7.5°	2384.3
10°	2350.3
12.5°	2309.5
15°	2265.3
17.5°	2221.1
20°	2156.4
22.5°	2105.4
25°	2027.2
27.5°	1948.9
30°	1870.7
32.5°	1792.5
35°	1707.5
37.5°	1622.4
40°	1523.8
42.5°	1435.3
45°	1336.7
47.5°	1224.5
50°	1119.0
52.5°	1003.4
55°	887.7
57.5°	768.7
60°	656.5
62.5°	544.2
65°	442.2
67.5°	346.9
70°	258.5
72.5°	180.3
75°	112.2
77.5°	57.8
80°	20.4
82.5°	6.8
85°	3.4
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)