

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: P202875

Luminaire Tested: **LD6B60D010TE EU6B60708027 6LBWWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202875
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: LD6B60D010TE EU6B60708027 6LBWWH1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH WHEAT TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5223.0 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

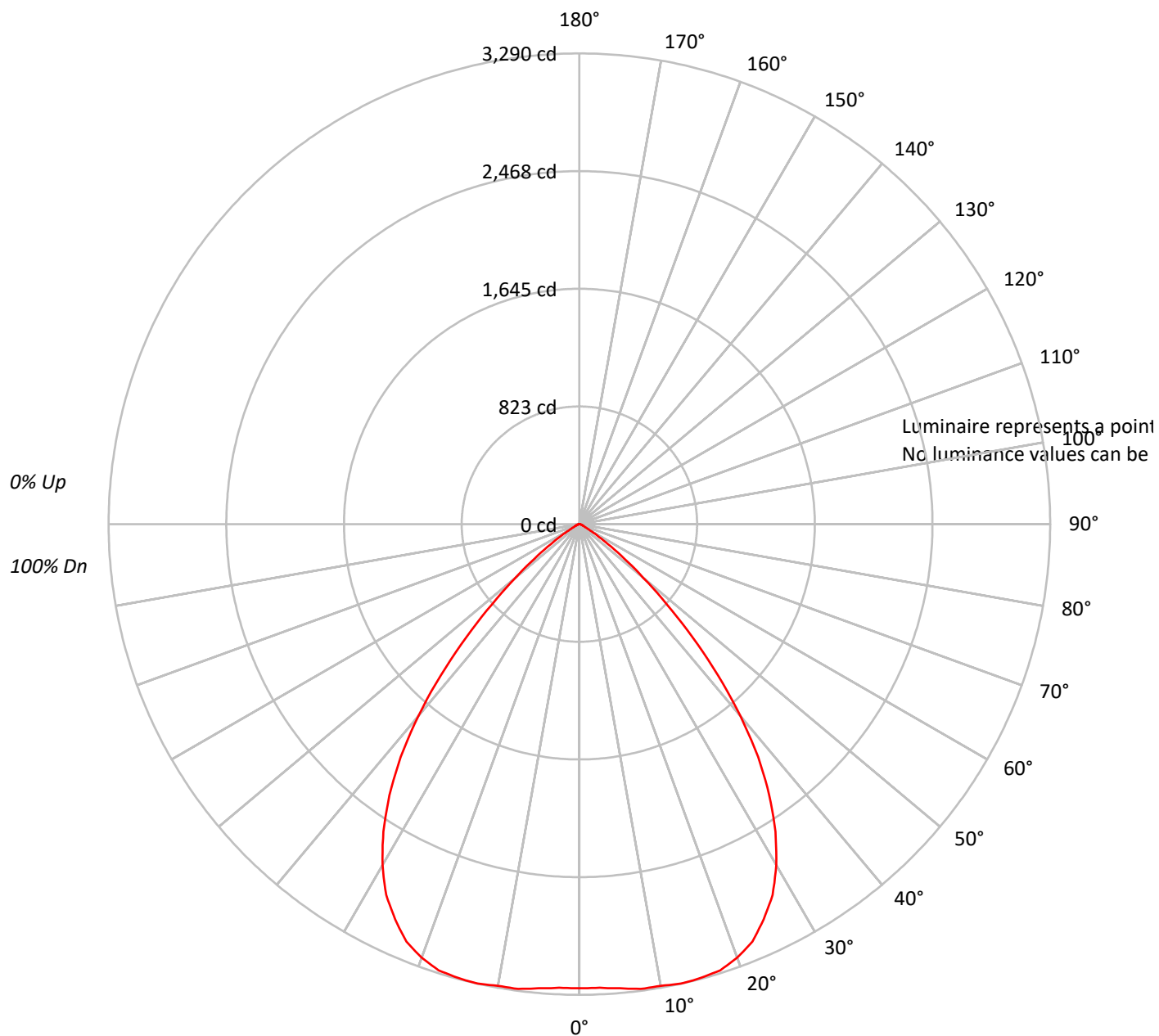
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202875

CATALOG NUMBER: LD6B60D010TE EU6B60708027 6LBWWH1

Luminous Intensity Polar Plot





TEST NUMBER: P202875

CATALOG NUMBER: LD6B60D010TE EU6B60708027 6LBWWH1

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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	109	107	104		110	107	105	102		103	101	99		99	98	96		96	95	93
2	106	100	96	92		104	98	94	91		95	92	89		92	89	87		89	87	85
3	99	92	86	81		97	90	85	81		88	83	79		85	81	78		83	80	77
4	93	84	78	73		91	83	77	72		81	76	71		79	74	71		77	73	70
5	87	77	71	66		85	76	70	65		75	69	65		73	68	64		71	67	63
6	82	71	64	59		80	71	64	59		69	63	59		67	62	58		66	61	58
7	77	66	59	54		75	65	59	54		64	58	54		63	57	53		61	57	53
8	72	61	54	49		71	61	54	49		59	53	49		58	53	49		57	52	49
9	68	57	50	45		67	56	50	45		55	49	45		54	49	45		53	48	45
10	64	53	46	42		63	53	46	42		52	46	42		51	45	42		50	45	41

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P202875

CATALOG NUMBER: LD6B60D010TE EU6B60708027 6LBWWH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.8	6.0
10°-20°	927.2	17.8
20°-30°	1395.8	26.7
30°-40°	1427.2	27.3
40°-50°	866.8	16.6
50°-60°	244.1	4.7
60°-70°	37.1	0.7
70°-80°	12.1	0.2
80°-90°	0.9	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°	2634.9	50.4
0°-40°	4062.0	77.8
0°-60°	5172.9	99.0
0°-90°	5223.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5223.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3244	
5°	3257	312
15°	3283	927
25°	3047	1396
35°	2313	1427
45°	1114	867
55°	242	244
65°	33	37
75°	13	12
85°	0	1
90°	0	



TEST NUMBER: P202875

CATALOG NUMBER: LD6B60D010TE EU6B60708027 6LBWWH1

CANDELA DISTRIBUTION (FULL):

0°	
0°	3244.0
2.5°	3244.0
5°	3257.1
7.5°	3276.8
10°	3276.8
12.5°	3289.9
15°	3283.3
17.5°	3270.2
20°	3224.4
22.5°	3158.8
25°	3047.4
27.5°	2922.9
30°	2752.5
32.5°	2549.3
35°	2313.4
37.5°	2051.3
40°	1749.8
42.5°	1435.2
45°	1114.1
47.5°	825.8
50°	583.3
52.5°	393.2
55°	242.5
57.5°	144.2
60°	72.1
62.5°	45.9
65°	32.8
67.5°	26.2
70°	19.7
72.5°	13.1
75°	13.1
77.5°	6.6
80°	6.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)