

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: P202885

Luminaire Tested: **LD6B60D010TE EU6B60709050 6LBWWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202885
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 EU6B60709050 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: 4758.4 lumens
Efficiency: N/A
Efficacy: 76.2 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

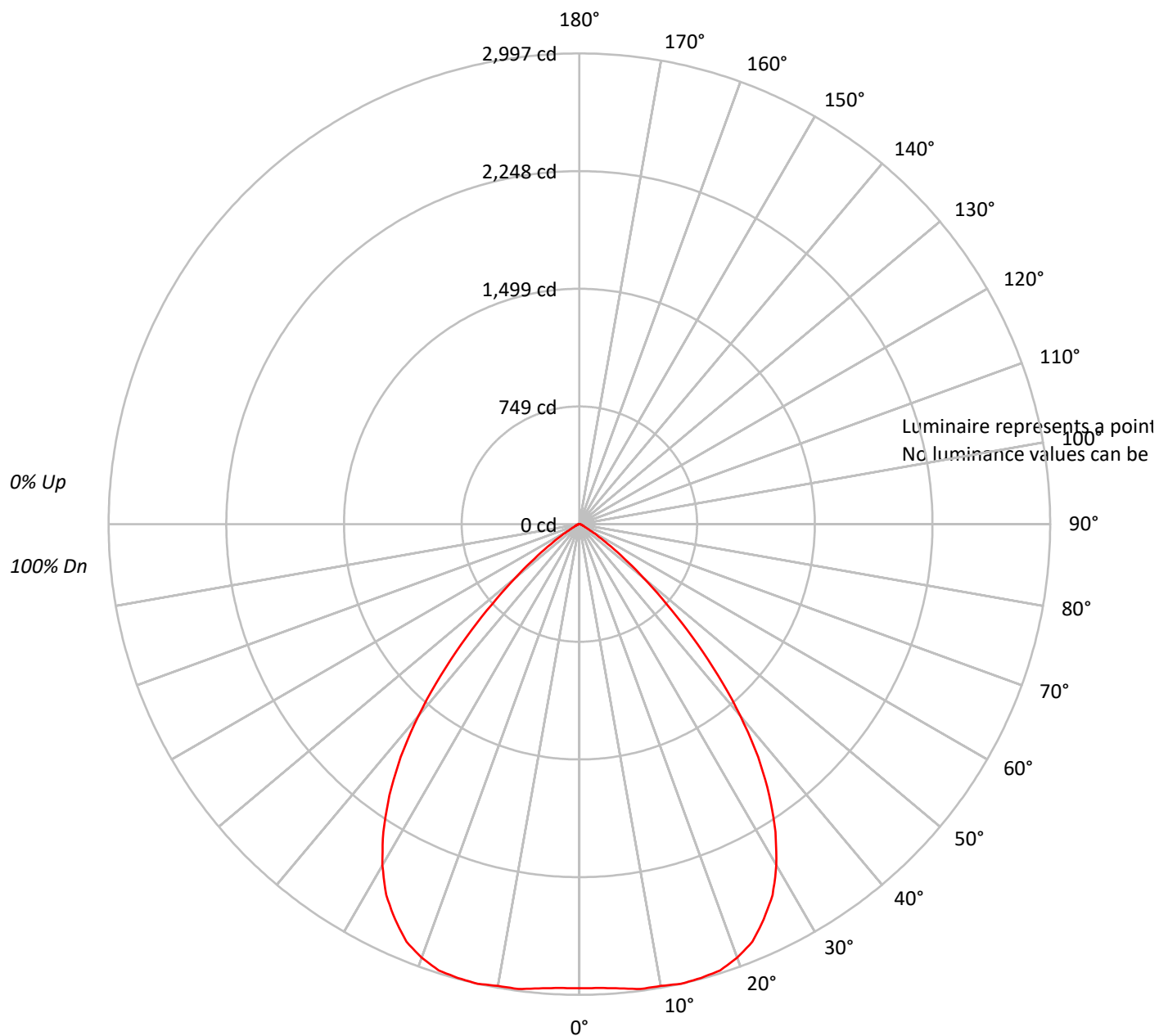
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.1	6.0
10°-20°	844.8	17.8
20°-30°	1271.7	26.7
30°-40°	1300.2	27.3
40°-50°	789.7	16.6
50°-60°	222.4	4.7
60°-70°	33.8	0.7
70°-80°	11.0	0.2
80°-90°	0.8	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°	2400.5	50.4
0°-40°	3700.8	77.8
0°-60°	4712.8	99.0
0°-90°	4758.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4758.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2956	
5°	2967	284
15°	2991	845
25°	2776	1272
35°	2108	1300
45°	1015	790
55°	221	222
65°	30	34
75°	12	11
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2955.5
2.5°	2955.5
5°	2967.4
7.5°	2985.3
10°	2985.3
12.5°	2997.3
15°	2991.3
17.5°	2979.4
20°	2937.6
22.5°	2877.9
25°	2776.4
27.5°	2662.9
30°	2507.7
32.5°	2322.6
35°	2107.6
37.5°	1868.8
40°	1594.2
42.5°	1307.6
45°	1015.0
47.5°	752.3
50°	531.4
52.5°	358.2
55°	220.9
57.5°	131.4
60°	65.7
62.5°	41.8
65°	29.9
67.5°	23.9
70°	17.9
72.5°	11.9
75°	11.9
77.5°	6.0
80°	6.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)