

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: P202884

Luminaire Tested: **LD6B60D010TE EU6B60709040 6LBWWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202884
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 EU6B60709040 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: 4737.7 lumens
Efficiency: N/A
Efficacy: 75.8 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

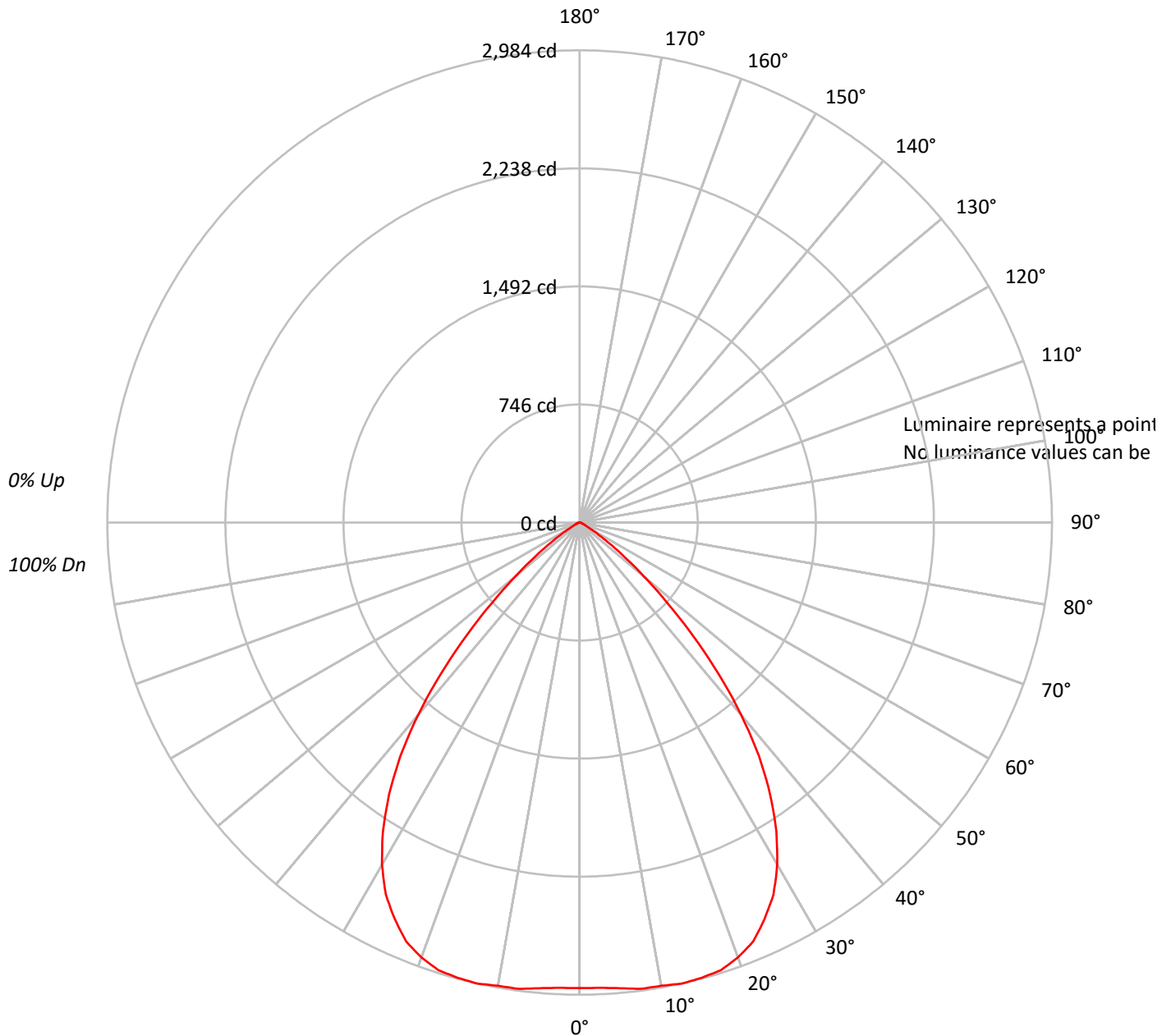
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	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			100
1	113	109	107	104	110	107	105	102		103	101	99			99	98	96			92
2	106	100	96	92	104	98	94	91		95	92	89			92	89	87			83
3	99	92	86	81	97	90	85	81		88	83	79			85	81	78			75
4	93	84	78	73	91	83	77	72		81	76	71			79	74	71			68
5	87	77	71	66	85	76	70	65		75	69	65			73	68	64			62
6	82	71	64	59	80	71	64	59		69	63	59			67	62	58			56
7	77	66	59	54	75	65	59	54		64	58	54			63	57	53			51
8	72	61	54	49	71	61	54	49		59	53	49			58	53	49			47
9	68	57	50	45	67	56	50	45		55	49	45			54	49	45			43
10	64	53	46	42	63	53	46	42		52	46	42			51	45	42			40

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.9	6.0
10°-20°	841.1	17.8
20°-30°	1266.1	26.7
30°-40°	1294.6	27.3
40°-50°	786.2	16.6
50°-60°	221.4	4.7
60°-70°	33.6	0.7
70°-80°	10.9	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°	2390.1	50.4
0°-40°	3684.7	77.8
0°-60°	4692.3	99.0
0°-90°	4737.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4737.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2943	
5°	2954	283
15°	2978	841
25°	2764	1266
35°	2098	1295
45°	1011	786
55°	220	221
65°	30	34
75°	12	11
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2942.6
2.5°	2942.6
5°	2954.5
7.5°	2972.4
10°	2972.4
12.5°	2984.3
15°	2978.3
17.5°	2966.4
20°	2924.8
22.5°	2865.4
25°	2764.3
27.5°	2651.3
30°	2496.8
32.5°	2312.5
35°	2098.5
37.5°	1860.7
40°	1587.2
42.5°	1301.9
45°	1010.6
47.5°	749.0
50°	529.1
52.5°	356.7
55°	220.0
57.5°	130.8
60°	65.4
62.5°	41.6
65°	29.7
67.5°	23.8
70°	17.8
72.5°	11.9
75°	11.9
77.5°	5.9
80°	5.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)