

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: P204119

Luminaire Tested: **LD6B60D010TE EU6B60709035 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204119
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 EU6B60709035 6LBNMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3734.1 lumens
Efficiency: N/A
Efficacy: 59.8 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

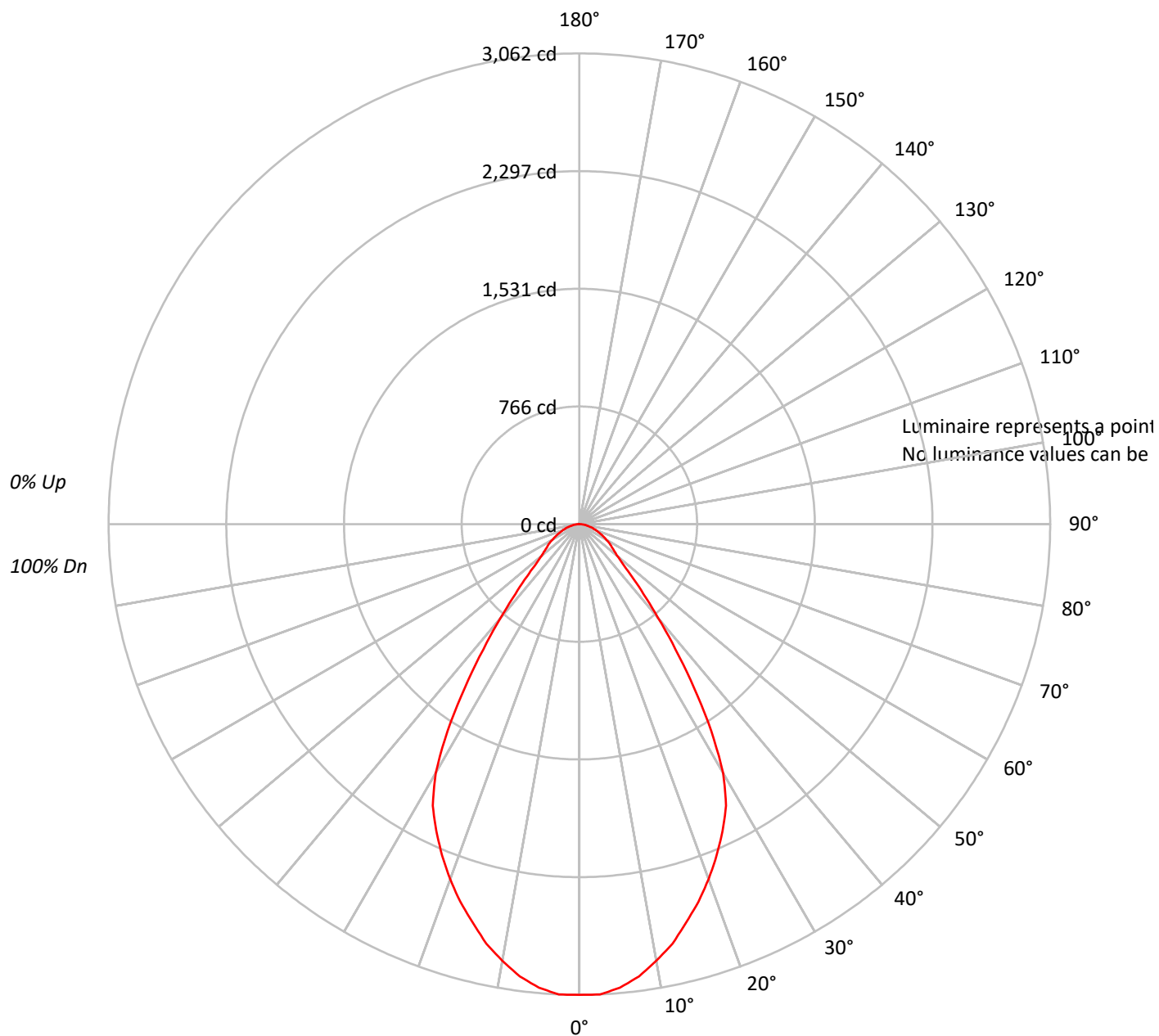
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





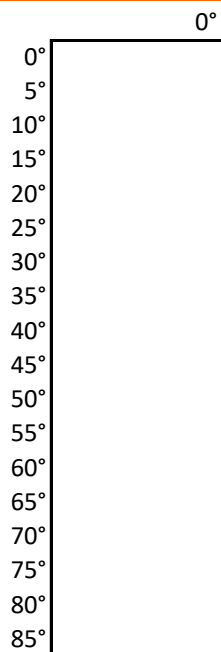
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					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	112	108	105	103		109	106	103	101		102	100	98		98	97	95		95	93	92
2	105	99	94	90		102	97	92	89		94	90	87		91	87	85		88	85	83
3	98	90	84	79		96	89	83	79		86	81	77		84	80	76		81	78	75
4	92	83	76	71		90	82	76	71		80	74	70		77	73	69		75	71	68
5	87	77	70	64		85	76	69	64		74	68	64		72	67	63		70	66	62
6	81	71	64	59		80	70	63	59		68	63	58		67	62	58		66	61	57
7	77	66	59	54		75	65	59	54		64	58	54		63	57	53		61	57	53
8	72	61	55	50		71	61	54	50		60	54	49		59	53	49		58	53	49
9	69	58	51	46		67	57	51	46		56	50	46		55	50	46		54	49	46
10	65	54	47	43		64	54	47	43		53	47	43		52	46	43		51	46	43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.4	7.6
10°-20°	753.7	20.2
20°-30°	1006.3	26.9
30°-40°	811.8	21.7
40°-50°	389.1	10.4
50°-60°	230.7	6.2
60°-70°	153.3	4.1
70°-80°	82.2	2.2
80°-90°	22.6	0.6
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°	2044.4	54.8
0°-40°	2856.2	76.5
0°-60°	3476.0	93.1
0°-90°	3734.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3734.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3062	
5°	3027	284
15°	2682	754
25°	2202	1006
35°	1300	812
45°	481	389
55°	255	231
65°	154	153
75°	77	82
85°	18	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3062.3
2.5°	3062.3
5°	3026.7
7.5°	2967.3
10°	2884.3
12.5°	2795.2
15°	2682.5
17.5°	2575.7
20°	2457.0
22.5°	2332.3
25°	2201.8
27.5°	2065.3
30°	1869.4
32.5°	1596.4
35°	1299.7
37.5°	1026.7
40°	795.2
42.5°	617.2
45°	480.7
47.5°	379.8
50°	320.5
52.5°	284.9
55°	255.2
57.5°	231.5
60°	201.8
62.5°	178.0
65°	154.3
67.5°	130.6
70°	112.8
72.5°	95.0
75°	77.2
77.5°	59.3
80°	47.5
82.5°	35.6
85°	17.8
87.5°	5.9
90°	0.0



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— 0°-180°







(END OF REPORT)